RHODORA

INDEX TO VOLUMES 51-75

Compiled by

ERNEST ROULEAU

Edited for the New England Botanical Club

by

A. LINN BOGLE

ERNEST ROULEAU DAVID M. LANE

1976

FOREWORD

The publication of this index to volumes 51-75 of RHODORA provides a much needed supplement to the index to the first 50 volumes (1899-1948) of the journal. It provides the scientific community, both amateur and professional, ready access to the large body of research — so basic especially to botanical work in North America — published in the pages of RHODORA from 1949 to 1973.

This was a period of unprecedented growth in botanical research, the extent and nature of which has been ably summarized for most botanical disciplines in *25 Years of Botany, 1947-1972* (Annals of the Missouri Botanical Garden 61(1), 1974). This growth is reflected in the pages of RHODORA in an expanded contributorship; in new areas of research and new techniques brought to bear on problems of systematics, floristics, ecology and phytogeography; in an expanded geographical scope, with increased coverage of research on the Caribbean islands, Central America and South America; and ultimately in the size of the journal.

RHODORA moved forward during this period under the able editorships of three eminent botanists: Dr. Merritt Lyndon Fernald (1929-1950), Dr. Reed Clark Rollins (1951-1961), and Dr. Albion Reed Hodgdon (1962-1974), whose dedication and years of voluntary service constitute a major, albeit unheralded, contribution to botanical science.

The index was commissioned for the New England Botanical Club by a committee consisting of Mr. William D. Countryman, Dr. Albion R. Hodgdon, and Dr. Lorin I. Nevling. The manuscript was compiled and completed in 1974 by Dr. Ernest Rouleau. The responsibility for its production then passed to the present editor who has depended heavily on the patient and invaluable assistance of Dr. Rouleau and Mr. David M. Lane in checking and correcting the galleys and page proofs. The content and format of the present index is consistent with that of the index to volumes 1-50, providing both a detailed subject index and an index to authors and titles. Errors may be inevitable in such a large and detailed work, despite the care taken to avoid them. The editor must assume responsibility for these, and would appreciate notification of those detected by the user.

A. Linn Bogle

RHODORA

INDEX TO VOLUMES 51-75

PART I

Index to Taxa Cited ..... Page 1

PART II

Index to Authors and Titles ..... Page 191

INTRODUCTION

The basis of this cumulative index has been the yearly indices of RHODORA, volumes 51-75. Because of the accuracy of these indices, it was not found necessary or desirable to compile the index from the text. The major contribution of the compiler has been to bring the various citations into uniformity.

For greater usefulness, the index has been divided into two parts, the first taxonomical and the second bibliographical, using both author and the key words of the titles.

In the taxonomical portion, orthographical variants have been combined under the correct orthography unless special attention was drawn to the variants or when they were referring to different taxa. Evident errors (such as the ending *flora* changed to *folia*, etc.), have been corrected. As in RHODORA, bold-face indicates a new name or a new status for a name.

The bibliographical portion has been made as complete as necessary for usefulness. Under each author, the articles have been arranged in chronological order. Joint authorship has been clearly indicated under each author in order to prevent unnecessary cross-checking. The bibliographical citations under the authors are complete, but under the key words of the titles, only the first page of the article is cited.

It is my hope that this index will prove a useful tool for taxonomists and bibliographers and that too many errors may not be found.

Ernest Rouleau

Herbier Marie-Victorin
Institut Botanique
Université de Montréal
4101 est, rue Sherbrooke
Montréal, Canada.
H1X 2B2

PART I. INDEX TO TAXA CITED

Abelmoschus 69:424; esculentus 69:424
Abies 54:233; 68:516; 71:337-338; balsamea 51:8; 52:273; 55:41, 45-46, 100; 60:248; 61:23; 63:65, 288; 65: 84; 67:92; 68:523; 70:83, 90; 72:418, 509; 74:367; 75:314; var. balsamea 70:90; var. phanerolepis 65:88; 70: 83, 87, 90-91; 72:509; bracteata 54: 75-76; concolor 51:6; 68:517 (pl. 1337), 523; firma 73:213; fraseri 59:252-253, 257; 70:90; lasiocarpa 65:156; 70:83; 72:497; magnifica 68: 517 (pl. 1337); sachalinensis 73:206, 213; taxifolia 57:333-335; venusta 54:74
Abietinella abietina 62:161
Abildgaardia monostachya 67:321
Abromeitiella 71:35, 225; brevifolia 71:225
Abronia arenaria 72:371-372; fendleri 74:83; fragrans 52:20; latifolia 72: 371-372; umbellata 72:372
Abrus 69:411; abrus 67:334; 69:411; precatorius 57:285; 66:12; 67:334; 69:411
Abutilon 69:424; abutiloides 67:339; americanum 67:339; crispum 69:374; hirtum 69:424; indicum 69:424; theophrasti 51:8; 53:225; 55:224; 71:171; umbellatum 69:424
Acacia 59:118; 69:408; 70:129-130, 287, 331, 492; 72:534; angustissima 55:160; confusa 56:229, 230 (fig. 1); farnesiana 57:285; 67:332; 69:408; macracantha 69:373, 387, 408; muricata 69:408; polyacantha 69:373; riparia 69:408; scleroxyla 69:373; suma 69:373; tortuosa 69:408; 75: 416
Acalypha 69:418; chamaedrifolia 69: 418; gracilens 54:255; hispida 69: 418; ostryaefolia 69:452; ostryifolia 69:452; rhomboidea 51:111; 60:68; 74:392; setosa 75:393; virginica 51: 111; 63:288; wilkesiana 69:418
Acanthaceae 63:211; 64:156; 66:313; 67:352; 69:395, 443; 71:33, 551; 75: 422
Acanthocereus floridanus 57:287
Acanthospermum 69:447; 72:106-108; sect. Acanthospermum 72:107; sect. Ceratochlaena 72:106; sect. Lecocarpopsis 72:106; sect. Xanthoides 72:107; australe 62:123, 124 (fig. 3), 125-126; 70:232, 238; 72:107; 74: 203; brachyceratum 72:106; consobrinum 72:107; donii 72:106-107; hispidum 69:447; 70:232; 72:106; humile 72:106; 74:205; lecocarpoides 72:106; leptolobium 72:106; microcarpum 72:106-108; simile 72: 107-108
Acaulon muticum 62:154; triquetrum 62:154
Acer 72:54; dasycarpum 51:137; macrophyllum 73:139; mono 73:213; negundo 52:295; nigrum 73:425; pensylvanicum 55:295; 61:21; 63:66, 68, 288; 64:281; 65:93; 68:186; 72: 281, 492, 521; platanoides 52:295; 60:65; pseudoplatanus 63:150; 69: 454; pseudo-platanus 69:454; rubrum 51:105; 53:10; 55:173; 59:256-257; 61:21, 122; 62:92; 63:65-69, 284, 288; 65:93; 66:312, 379; 67:373, 402; 70:224; 71:32; 72:79, 280-281; 73:205, 248, 306, 501, 503, 505, 507, 509; f. **pallidiflorum** 51:103; f. tomentosum 57:315; 74:147; var. drummondii 74:147; var. pallidiflorum 51:103; var. rubrum 72:521; f. tomentosum 72:521; var. trilobum 72:521; saccharinum 51:137; 58:93; 59:256; 60:65; 62:200; 73:306; 74: 392; saccharum 51:155; 54:64; 55: 43, 48-49, 59, 173; 57:131; 59:258; 60:65; 61:21; 63:65, 295; 64:333; 67: 386; 72:521, 554; 73:306, 425, 462; spicatum 52:58; 55:45, 173, 224, 295; 59:257; 63:66, 288, 295; 64:281; 65: 93; 68:186; 72:492, 521; striatum 55:295
Aceraceae 52:295; 55:173; 71:32, 514
Acerates hirtella 75:398
Achaetogeron fisheri 65:234-235; forreri 65:226, 230 (fig. 3), 233; griseus 65:226, 230 (fig. 4), 233; wislizeni 65:233
Achillea borealis 54:222; 61:23; 64: 346; 65:95; 66:152; 68:414 (map), 417; 70:180-182, 184, 186-187; 71: 523; lanulosa 53:12; 55:198-199; 57: 302; 58:247; 60:7-8, 9 (fig. 1); 63: 125, 129; 64:346; 65:95, 231; 66:152; 71:523; millefolium 55:198; 58:247; 60:7-9, 66; 66:152; 70:210; 71:20, 27, 514, 523; 72:527; 75:321; subsp. atrotegula var. atrotegula 54:222; subsp. lanulosa var. megacephala 70:204; var. nigrescens 61:23; multiflora 52:60; occidentalis 55:199; ptarmica 55:198; 60:127
Achras zapota 67:345
Achyranthes 69:402; aspera 67:329; 69:402, 404; bettzickiana 67:329; 69:402; corymbosa 64:179; ficoidea 67:329; 69:402; indica 69:402; peploides 67:329; polygonoides 67:329;

69:402; portoricensis 67:329; ramosissima 57:281, 285; 67:329; sessilis 67:328
Achyropappus anthemoides 66:72 (fig. 17), 73, 75, 307; maritimus 66:208; woodhousei 66:290
Aciachne 68:98, 266; pulvinata 68:266
Acinos arvensis 57:73; 73:60
Aciotis 69:172; fragilis 69:169
Aciphyllaea 64:4, 11
Acisanthera acisanthera 67:342; quadrata 67:342
Acnida altissima 55:224; 60:301, 304; var. prostrata 60:301; var. subnuda 60:301, 305; cannabina 60:301, 304; 75:57; tamariscina 60:301, 305
Acnistus 69:440; arborescens 69:393, 440
Aconitum delphinifolium subsp. paradoxum 65:216; napellus 62:110, 115; 71:170
Acorus brachystachys 68:28; calamus 53:79, 84-85; 55:136; 58:322; 59: 271; 75:54, 57, 61, 316
Acosmium 70:499; lentiscifolium 70: 499
Acrochaetiaceae 71:131; 72: 205; 74: 268; 75:273, 529-531, 593
Acrochaetium 75:530, 535, 565; alariae 75:541; alcyonidii 75:273, 551, 554-556, 607; var. cylindricum 75:551, 554; americanum 75:588; amphiroae 71:131; 75:551, 555-556, 607; antillarum 75:92; attenuatum 71:132; 75:583, 607; avrainvillae 75:89, 563; bornetii 75:88, 551, 592; catenulatum 74:92-93; 75:86, 557; collopodum 75:86, 557; compactum 74:92; 75:86, 557, 559, 601 (figs. 48-51); crassipes 74:92-93; 75:86, 557; dasyae 75:273, 545, 607, 610; daviesii 74:268; 75:81, 550, 577, 607; dufourii 75:84-85, 97; efflorescens 75: 584; effusum 75:92; emergens 75: 572, 607; endophyticum 75:92, 574; endozoicum 75:592; flexuosum 71: 132, 527-528; 75:273, 532, 577, 582, 607; hallandicum 75:82; humile 75: 569; hypneae 75:563; inclusum 75: 592; infestans 75:89; intermedium 75:545, 547-549, 607, 610; kylinii 75:574, 592; levringii 75:87, 558; luxurians 75:94, 97, 575; microfilum 74:93; 75:87, 558-559, 583, 601 (figs. 46-47), 607; microscopicum 75:86, 557; minimum 75:572, 607; moniliforme 75:87, 558; nemalionis 75: 89; opetigenum 75:549; pallens 75: 563; polyides 72:201, 205, 236; 75: 587-588, 592, 607; radiatum 75:273, 569-571, 583, 604 (figs. 66-69), 607; ralfsiae 75:592; rhipidandra 75:541; robustum 75:549; sagraeanum 75: 532, 551, 556, 560, 562, 577, 582, 590-591, 593, 607; sargassi 75:84-85, 97; savianum 75:560; secundatum 75:94, 575; sp. 75:273; subseriatum 75:545, 548; subsimplex 75: 575, 579, 582; subtilissimum 75:592; tenuissimum 75:576; thuretii 75:88, 551, 556, 560-561, 563, 607; trifilum 75:272-273; unifilum 75:563; unipes 75:549; virgatulum 75:94, 96-97, 273, 575-576, 579; f. luxurians 75: 273, 576; f. tenuissimum 75:576; zosterae 75:545, 547-549, 607, 610
Acrocomia aculeata 67:322; media 67: 322
Acrodiclidium salicifolium 67:330; 69: 406
Acroptilon picris 74:344; repens 74: 344
Acroschizocarpus 54:86-88, 92, 110; kolianus 54:86, 92, 114
Acrostichum aureum 66:9; 73:206; danaeaefolium 57:283; rufum 65:56
Acrothrix novae-angliae 71:153
Actaea alba 73:302; pachypoda 55: 156; 62:110, 113; 67:394, 395 (fig. 2, map); 72:517; f. rubrocarpa 62: 110, 112; rubra 51:148; 53:11; 55: 151, 156; 62:110, 113; 72:517; f. neglecta 55:151; 62:110
Actinastrum hantzchii 63:278; sp. 63: 278; 75:266
Actinella 59:131; argentea 74:84; richardsonii var. floribunda 74:84
Actinidia arguta 73:213; kolomikta 73:101, 213
Actinocheita filicina 73:119, 121, 124 (fig. 2), 126 (fig. 4), 128 (fig. 6), 130 (fig. 8)
Actinochloa gracilis 56:31
Actinomeris 70:99; heterophylla 74: 97-100; pauciflora 74:97-100
Actinospermum 59:129
Actinostachys pennula 67: 356
Acuan depressum 67:332; 69:409; insulare 67:332; virgatum 67:332; 69:409
Adelia 69:418; acuminata 60:327; bernardia 67:337; cassinoides 60: 328; ligustrina 60:327; porulosa 60: 327-328; 61:293; ricinella 67:337; 69:418
Adelobotrys barbata 65:18; macrophylla 65:18; praetexta 65:18
Adenanthera 69:408; pavonina 69:408
Adenopappus 64:2
Adenophyllum 64:9, 11
Adenoplea lindleyana 60:21
Adenoporces buxifolia 67:335
Adenoropium gossypifolium 67:337;

69:420; hastatum 67:337; multifidum 67:337; 69:420
Adenostemma brasilianum 62:122, 125; 70:229, 230 (fig. 3), 233, 235
Adenostoma fasciculatum 73:185
Adiantopsis paupercula 67:357
Adiantum 70:2-3; alarconianum 63:87; brasiliense 63:71; capillus-veneris 52:201-203, 205-206, 208; f. cristatum 52:206; f. elongatum 52:206; var. **modestum** 52:206-208; f. **rimicola** 52:208; var. **protrusum** 52:203, 205-208; concinnum 63:87; curvatum 63:71; emarginatum 52:208; henslovianum 63:87; humile 63:70-71; jordani 52:208; killipii 63:71; lobatum 63:71-72, 73 (pl. 1255); modestum 52:206; pedatum 52:205; 54:167; 56:2; 57:236; 73:462; var. aleuticum 67:382; poiretii 64:348; var. hirsutum 63:87; schaffneri 52:207-208; terminatum 63:70; trifidum 52:205
Adipera bicapsularis 67:332; 69:410; laevigata 67:332; stahlii 67:332
Adlumia fungosa 63:47, 52, 288
Adonis autumnalis 54:253
Adventina ciliata 72:386
Aechmea 71:36, 271; angustifolia 71:271-272; boliviana 71:272; brachyclada 71:271-272; bromeliifolia 71:271, 274; castelnavii 71:271, 273; distichantha 71:271, 273; var. schlumbergeri 71:274; ellipsoidea 71:274-275; inconspicua 71:272; involucrata 71:274; kuntzeana 71:271; lingulata 67:323; spp. 69:392; tocantina 71:271, 273
Aegilops crassa 58:44; cylindrica 52:52; 59:123; 63:130; var. rubiginosa 52:20
Aegiphila elata 67:350
Aegopodium podagraria 68:519
Aegopogon 68:104, 279; bryophilus 68:280; cenchroides 62:177 (fig. 1), 181, 183-184; 63:343; 68:280; fiebrigii 68:280; geminiflorus var. muticus 68:280
Aeschrion antillana 67:336; excelsa 67:336
Aeschynomene 69:411; americana 69:411; elegans 63:18; gracilis 67:333; portoricensis 67:333; sensitiva 69:411
Aesculus 57:37; ×arnoldiana 59:189; assamica 59:200; ×bushii 59:192; californica 59:185, 200; carnea 59:186, 200-201; discolor 57:39; 59:46; 62:127; ×dupontii 59:197-198; var. hessei 59:197; flava var. purpurascens 59:199; georgiana 59:45, 50; var. pubescens 59:45, 50; glabra 52:295; 57:38-40; 59:50, 185, 188, 189 (map 1), 191 (figs. 7, 13), 192-193, 199, 201; 64:331; 74:147; f. marylandica 59:188; var. arguta × pavia 59:191 (fig. 12), 192; var. leucodermis 74:147; × octandra 59:188, 189 (map 1), 191 (figs. 2-5); × pavia 59:189 (map 1), 192; × sylvatica 59:186; glaucescens 59:193-194; 62:128; ×glaucescens 62:129; harbisonii 59:45; ×harbisonii 59:194; hippocastanum 57:38-41, pl. 1205; 59:185-186, 201; hybrida 59:198-199; indica 59:200; marylandica 59:186; ×mississipiensis 59:192; mutabilis 59:194; ×mutabilis 59:195; var. harbisonii 59:194; var. induta 59:194; var. penduliflora 59:194; neglecta 62:127-129; ×neglecta 62:129; octandra 57:39-40, pl. 1205; 59:50, 185, 188, 189 (map 1), 190-194, 196, 197 (fig. 34), 198-199, 201, 256, 258; 62:127-128; 71: 303; 72:492; var. hybrida 59:199; var. purpurascens 59:199; × pavia 59:198; × (pavia × sylvatica) 59:189 (map 1), 197; × sylvatica 59:186, 189 (map 1), 193, 197 (fig. 33); 62:128-129; parryi 59:185, 200; parviflora 57:39-40; 59:185, 201; pavia 59:46-47, 48 (fig. 1), 49-50, 185-186, 189 (map 1), 191 (figs. 8-9), 192-193, 195, 196 (figs. 14-18), 197-199, 201; 62:128-129; var. arguta 59:198; × glabra 59:191 (figs. 10-11), × sylvatica 59:45, 48 (fig. 1), 189 (map 1), 194, 196 (figs. 19-23), 198; 62:129; plantierensis 59:186, 200-201; sylvatica 57:39-41, pl. 1205; 59:46-47, 48 (fig. 1), 49-50, 185, 189 (map 1), 193-195, 196 (figs. 27-30), 197-199; 62:127-129; × octandra 196 (fig. 31); × octandra × pavia 59:196 (fig. 31), 197; × pavia 59:196 (figs. 24-26); 62:129; turbinata 59:200; 73:213; versicolor 59:198; woerlitzensis 59:197-198; var. ellwangeri 59:197
Aethusa cynapium 74:156
Afzelia cassioides 64:90
Agalinis aphylla 71:33; heterophylla 74:387; linifolia 64:91; obtusifolia 64:91; purpurea 64:91; 71:33; setacea 64:88; tenella 64:91
Aganippea bellidiflora 66:156; dentata 66:156
Agardhiella tenera 71:528; 72:214, 230; 73:283; 74:480; 75:274
Agaricus coloreus 68:176; compressipes 62:187; flavescens 71:190; leptolomus 65:290, 293; lilacinus 68:181; luteoolivaceus 68:176; ru-

bescentifolius 68:176; sulphureoides 71:190-191; trullisatus 64:130; truncicola 65:295; uranius 64:131
Agarum cribrosum 54:276; 66:222 (pl. 1300), 223, 230; 71:125, 137, 155; 72:116, 319, 326, 336; 74:267, 416; turneri 54:276
Agastache anethiodora 58:287; 70:38; foeniculum 55:188; 58:287; nepetoides 70:38; scrophulariaefolia 69: 452; scrophulariifolia 69:452; 70:38
Agastianis 70:521; secundiflora 70:528
Agati grandiflora 67:333; 69:414
Agave americana 57:285; bahamense 73:48; decipiens 57:285; 67:312; inaguensis 66:8, 12; nashii 66:8; sisalana 57:285, pl. 1220; virginica 54: 172
Agenium villosum 68:353
Ageratella microphylla 74:497; var. palmeri 74:497; var. seemannii 74: 497; palmeri 74:497
Ageratum 69:447; 72:94-95; 75:422; campuloclinoides 72:94, 97; conyzoides 69:447; 70:235; 75:422; subsp. conyzoides 75:422; subsp. latifolium 75:422; corymbosum 63:122, 126; 64: 260 (fig. 1), 262; houstonianum 64: 262; latifolium 64:262; 75:422; microphyllum 74:497; paleaceum var. nelsonii 64:262; var. paleaceum 64: 262; tomentosum 64:262
Ageria 53:232; opaca 53:233
Agina 61:48
Aglaonema costatum 62:252, 256; marantaefolium 62:252, 253 (fig. 6), 255; pictum 62:252, 256
Agmenellum quadruplicatum 73:267; 75:282; thermale 58:118; 75:282
Agoseris cuspidata 52:297; glauca 70: 50; purpurea 74:84
Agrimonia gryposepala 63:43; 69:306, 315; 72:349; microcarpa 64:356-357; parviflora 64:357; 69:306, 316; platycarpa 64:357; pubescens 55:224; 67:394, 395 (fig. 3, map); 69:306, 316; rostellata 61:27; 69:306, 316; striata 55:169; 67:373; 69:307, 315
× Agroelymus palmerensis 70:471
× Agrohordeum 70:472
Agropyron 64:143; 68:104, 236; 69: 122; 70:467, 471-472; albicans 54: 196; var. **griffithsii** 54:196; attenuatum 68:236; breviaristatum 68:236; dasystachyum 59:123-124; 62:199; 63:132; var. **psammophilum** 68:437; desertorum 59:123; elongatum 65: 318; inerme 54:196; latiglume 58: 281; 70:470; psammophilum 68:437; pseudorepens 54:196; 64:143, 144 (fig. 2), 145-146; f. aristatum 54: 211; pungens 51:8; 70:442; repens 52:293; 55:121; 56:28; 59:230; 62: 199; 63:130-131; 64:143-145; 67:89; 71:519; f. aristatum 59:230; 65:88; 75:314; f. pilosum 75:314; f. trichorrhachis 55:52, 121; 65:88; 66:62; 75: 314; var. repens 72:510; f. aristatum 72:510; f. pilosum 72:510; f. trichorrhachis 72:510; var. subulatum 60: 67; 64:344; f. setiferum 64:345; f. vaillantianum 55:52, 121; 58:246; 64:345; × trachycaulum 64:144 (figs. 1-2); saxicola 52:52; sericeum 58:148; 70:470-471; smithii 51:21; 56:28; 59:230; 63:130-131; 64:143, 145, 354; 70:451; var. molle 51:21; 59:123; 63:131-132; var. smithii 63: 130; var. typicum 51:21; spicatum 54:196; subsecundum 51:168; trachycaulum 53:4, 11; 62:199; 64:143-145; 70:210, 470-471; var. glaucum 65:88; 66:143; var. **latiglume** 54: 196; var. majus 53:14; 64:144; 65: 88; 66:144; 72:510; f. **pseudorepens** 54:196; 64:145; var. novae-angliae 53:16; 55:121; 57:302; 58:246; 72: 510; var. unilaterale f. **andinum** 54: 196; var. typicum 55:121; triticeum 55:236; violaceum 70:470-471; var. andinum 54:196; var. latiglume 54: 196
Agrostemma 52:233; chalcedonica 52: 243; coronaria 52:243; githago 52: 243; 62:108, 115
Agrostis 51:192; 68:99, 258; alba 55: 124; 59:231; 60:65; 64:345; 68:438; f. aristata 51:192; f. **aristigera** 51: 192; var. alba 71:519; 72:511; var. palustris 59:231; 64:345; 65:88; 71: 22, 519; 72:511; araucana 68:259, 261; boliviana 68:258, 260; borealis 61:123; canina 53:266; f. mutica 60: 65; var. varians 53:266; clandestina 56:26, 30; cryptandra 52:125; elliottiana 51:127; f. **molesta** 56:28; exarata 52:166; exasperata 68:258, 261; gelida 68:258-259; geminata 55:125; f. exaristata 55:125; gigantea 68: 438; haenkeana 68:259-260; hyemalis 68:439; var. tenuis f. **setigera** 68:438-439; michauxii var. laxiflora 68:438; montevidensis 68:258-259; nardifolia 66:277; palustris 59:231; 63:137; 68:438; perennans 53:19; 60:67; 68:258, 260; 72:511; 75:315; var. aestivalis 59:231; 65:88; polymorpha var. palustris 68:438; rosea 66:277; rossae 64:117-118; scabra 55:124; 58:246; 65:88; 66:380; 68: 438-439; 70:205, 208; 71:22; 72:511; 75:315; f. tuckermani 59:231; var. scabra f. tuckermanii 68:438; var. septentrionalis f. setigera 68:438-

439; stolonifera 68:258-259; f. aristigera 51:192; var. compacta 68:438; var. major 68:438; 75:315; var. palustris 68:437; 75:315; tenuis 58:246; 60:65; 64:118; 65:88; 72:511; f. aristata 75:315; tolucensis 68:259, 261; variabilis 64:117-118; verticillata 51:126; 52:20; 68:259; virginica 68:448
Ahnfeltia plicata 66:221, 224; 71:115, 135; 72:117, 199-200, 216, 231-232, 236, 322, 333; 74:269, 409, 421
Aiphanes acanthophylla 67:322
Aira caryophyllea 53:130; 68:515; 72:7; conferta 68:243; cristata 58:94, 96; macrantha 58:94; praecox 72:7; pubescens 58:96; valesiana 58:95
Aizoaceae 55:147; 60:301; 67:329; 69:404; 75:415
Ajuga reptans 60:23
Akebia quinata 62:111, 115
Aklema petiolare 67:338; 69:419
Alaria 66:222 (pl. 1300); 75:542; esculenta 66:219 (pl. 1298), 220, 226, 230; 71:114-115, 127, 132; 72:116, 205-206, 319, 326, 336; 74:267, 411, 416; 75:543; musaefolia 71:127; 72:319; pylaii 71:154
Alariaceae 71:127
Albizia 69:409; lebbeck 69:409
Albizzia lebbeck 69:409
Alchemilla alpina 52:47-48; 55:223; arvensis 59:18-19; microcarpa 59:18-19; minor 69:307, 318
Alchornea 69:418; latifolia 69:418
Alcina minor 74:176; ovalifolia 74:175; ovatifolia 74:175; perfoliata 74:12, 194-195
Alcyonidium 75:555
Aldama dentata 64:255-256, 266
Alectoria corymbosa 56:116, 119; nidulifera 60:77; nigricans 67:380; nitidula 67:380; ochroleuca 54:277; 56:156; 67:380; pubescens 56:155; virens 56:118
Aletes acaulis 60:265-266, 270; humilis 60:265; macdougalii 60:265, 270
Aletris aurea 51:132; 71:32; farinosa 53:80, 86; 63:304-305; 71:32; lutea 63:304-306; 66:380; 71:32; f. **albiflora** 63:305; × obovata 63:305-306; ×**tottenii** 63:306-307
Alicabon 60:114; 69:84; barbadense 60:164
Alisma andrieuxi 57:175-176; berteroanum 57:139-140; berteroi 57:139-141; cordifolium 57:137, 139-140; ellipticum 57:179; floribundum 57:148; gramineum 70:577-578; grandiflorum 57:148; intermedium 57:179-181; macrophyllum 57:153; nymphaeifolium 57:135, 182; plantago 70:171; plantago-aquatica 64:227-228; 70:171; 73:105; subsp. brevipes 55:118; var. brevipes 55:117-118; ranunculoides var. brasiliense 57:184; rostratum 57:135, 144, 147, 151 (fig. 29); sprengelii 57:140; subalatum 57:179; subcordatum 64:227-229; 70:578; subulatum 57:185; tenellum 57:135, 183-184; f. latifolia 57:202; triviale 55:117; 61:276, 278; 63:288; 70:578; 72:509; 73:255; virgata 57:137
Alismaceae 67:317; 71:550
Alismataceae 55:117; 66:11; 67:317
Alkekengi 60:114; 69:82, 84; barbadense 69:321
Allamanda 69:434; cathartica 69:434
Alliaria officinalis 60:15; 61:187; 63:47, 55
Allionia gausapoides 61:85; hirsuta 70:33; incarnata 51:20, 23; 56:209; linearis 61:85; 70:33; subhispida 61:85
Allium 61:272; ampeloprasum 60:12; 63:310; 69:61; 70:303; var. atroviolaceum 60:12; 63:310; canadense 53:80, 86; 61:70; 72:170; var. mobilense 61:71; cernuum 75:385; cuthbertii 61:72; fistulosum 53:88-89; geyeri 61:72; mutabile 55:290; 63:20; oleraceum 53:88-89; 55:159; plummerae 61:72; reticulatum 70:28; schoenoprasum 51:110; var. laurentianum 53:9; 55:137; var. sibiricum 51:110; 53:80, 86; 55:51, 53, 137; 72:514; **speculae** 61:70-72; stellatum 55:137; 57:267, 290, 321; 58:282; 70:28; 75:384; textile 70:28; tricoccum 53:80, 85; 55:243; 70:285; 71:168; var. **burdickii** 55:243; vineale 53:80, 88; f. compactum 54:252; var. compactum 66:312
Allophyllus occidentalis 69:374; racemosus 69:374
Alloplectus 70:413; ambiguus 67:352; 70:414
Allosandra 69:296; lanceolata 69:296, 300; verbenifolia 69:300, 302-303
Alnus crispa 55:42, 145; 58:127, 131-132; 67:375; var. mollis 58:127, 131; 65:90; 72:515; 75:317; glutinosa 58:127; 69:378; incana 55:145; oblongifolia 70:465; rugosa 52:293; 58:127, 131; 61:21; 63:66, 297; 67:373, 375; 69:378; f. emersoniana 58:127; var. americana 53:10; 55:42-43, 46-47, 145; 58:127; 63:297-300, 301 (figs. 9-10), 302-303; 65:91; 72:515; 75:317; f. hypomalaca 58:128; f. tomophylla 58:128; × serrulata 63:301 (figs. 7-8); var. rugosa 63:297-298, 302-303; 72:515; serrulata 54:253; 56:

131; 58:128; 60:206-207; 61:21; 63: 297-298, 300, 301 (figs. 1-2), 302-303; 72:79; f. emarginata 63:303; f. nanella 63:303; f. noveboracensis 54:253; 58:128; var. subelliptica 63: 297, 302-303; f. emarginata 58:128; f. mollescens 58:128; var. vulgaris 51:116; × rugosa var. americana 63:301 (figs. 3-6); tenuifolia 68:186
Alocasia 70:414; cuprea 62:252; sp. 70:414
Aloe barbadensis 67:324; vulgaris 67: 324
Aloina rigida 56:203
Alomia 72:95; fastigiata 70:230 (fig. 4), 235; 72:97; longifolia 72:95, 97; microcarpa 70:231; 72:95
Alopecurus 68:105, 261; aequalis 53: 266; 55:125; 68:262; var. natans 55: 125; alpinus 54:48, 51, 216; var. alpinus 65:212; aristulatus 53:14, 266; bracteatus 68:262; carolinianus 51: 127; 62:262-263; ciliatus 58:96; geniculatus 62:262; hitchcockii 68: 262; pratensis 59:231; 65:89; 71: 168; 72:511; 75:315
Alpinia antillarum 67:324; aromatica 67:324; exaltata 67:324; speciosa 67:324
Alpiniaceae 67:324
Alsinaceae 67:330
Alsine antillana 67:330; longifolia 52: 57; media 55:11; rossii 60:45; uliginosa 52:250
Alsinopsis macrantha 60:49
Alsophila 69:65; 71:7-8; abbottii 74: 445; acutidens 71:8; aquilina 67: 356; armata 71:7, 13; 73:9; bicrenata 71:10, 13, 15-16; borinquena 67:356; brooksii 74:445; **bryophila** 74:443, 444 (figs. 9-10), 445; capensis 74:445; confinis 74:445; conjugata 69:65, 67; 71:9-10, 11 (fig. 5, map), 12, 14, 16; corcovadensis 62:6; dichromatolepis 62:6; dryopteroides 74:445; engelii 74:445; **estelae** 69:66 (figs. 5-7), 67-68; 71: 8, 10, 16; gleasonii 62:7; haughtii 62:7; hirsuta 71:9, 13-14, 16; hirta 71:14; hotteana 74:445; kuhnii 62:7; lasiosora 62:6; **lechria** 62:4, 5 (pl. 1251), 6; mexicana 71:8; microdonta 62:6; 71:8; minor 74:445-446; myosuroides 71:8; nesiotica 71:8, 10, 16; nockii 74:445; notabilis 71:8; pansamalana 71:9, 11 (fig. 2), 15; pauciflora 74:445; phalaenolepis 62: 7; phegopteroides 62:7; quadripinnata 67:356; rufa 71:9, 14, 16; sagittifolia 74:446; salvinii 74:445; scabriuscula 71:8, 12, 15; var. **guatemalensis** 69:66 (fig. 8), 68; 71:9, 13; var. scabriuscula 69:68; 71:8, 12, 15-16; **scopulina** 62:2, 3 (fig. 2), 4, 6; stipularis 62:6; 71:9, 14; strigillosa 71:9, 13; swartziana 69:67-68; 71:7-10, 13, 16; trichiata 62:6; 69:65, 67; 71:8, 10, 11 (fig. 1, fig. 3, map), 12, 16-17; **tryonorum** 69:65, 66 (figs. 1-4), 67; 71:8, 10, 11 (fig. 4, map), 12-13, 16; urbanii 74:445; ursina 62:6-7; villosa 62:6
Alternanthera 59:239; 69:402; ficoidea 67:329; 69:402; var. bettzickiana 67:329; 69: 402-403; paronychoides 67:329; 69:402; peploides 67:329; philoxeroides 59:239; portoricensis 67:329; ramosissima 67:329; repens 52:167; sessilis 67:329; williamsii 73:47
Alternaria 70:385; tenuis 73:306, 308
Althaea 69:424; officinalis 63:43; rosea 59:28; 69:424; 71:171
Alysicarpus 69:412; vaginalis 69:412; 75:390
Alyssum 70:298, 300; sect. Alyssum 70:298-300; sect. Psilonema 70:298; alyssoides 63:47, 54; 70:298-299; 74: 391; auriculatum 57:260; calycinum 70:298-299; campestre 70:299; desertorum 70:298; 74:381, 391; grandiflorum 57:262; lasiocarpa 57: 244; lescurii 54:186; 57:247; maritimum 70:299; minimum 70:298; minus var. micranthum 70:299-300; petraeum 70:28, 299; saxatile 63: 47, 55; 70:299; shortii 54:191; strigosum 70:299-300; subsp. strigosum 70:299; szowitsianum 70:299
Amalias anceps 74:283
Amanita cinereoconia 61:127, 129 (pl. 1249); muscaria 64:127; parcivolvata 64:126-127
Amanitopsis parcivolvata 64:126
Amaranthaceae 60:301; 63:211; 66:12; 67:329; 69:395, 402; 73:49
Amaranthus 52:223; 69:403; 75:115; albus 52:167; 59:18; 60:301-302; 72: 516; var. pubescens 52:167-168; arenicola 67:181; ascendens 60:301, 305; australis 67:313; caudatus 60: 301, 305; 69:403; 74:143; crassipes 69:403; crispus 59:18; cruentus 60: 301, 305; deflexus 60:301, 305; dubius 66:12; 69:403; 73:49; gracilis 67:329; graecizans 52:167; 60:14, 301, 305; hybridus 57:285; 60:301, 305; f. hypochondriacus 60:301, 305; lividus 60:301, 305; palmeri 60:301, 305; powellii 60:301, 305; 63:180; pumilus 60:301; retroflexus 60:301, 304; 63:288; 72:516; scleropoides 52:168; spinosus 60:301, 305;

69:403; tamariscinus 68:519; viridis 60:301, 305; 66:12; 67:329
Amaryllidaceae 53:82; 64:149; 66:12; 67:324; 71:32; 73:48
Amauria dissecta 66:185, 190, 196
Amauriopsis dissecta 66:179, 190
Amberboa moschata 74:344; muricata 74:339
Amblyolepis 59:130
Amblystegiaceae 62:147, 162
Amblystegiella confervoides 59:26; 62:162; subtilis 59:26; 62:162
Amblystegium compactum 58:248; juratzkanum 53:125; 62:162; serpens 62:162; 64:124; varium 53:125; 62:162
Ambrosia 69:447; artemisiifolia 60:178-185, 186 (fig. 2A), 187-188, 189 (fig. 3A), 190-203, 310-312, 314 (fig. 2B); 71:516-517, 523; f. villosa 60:194; var. artemisiifolia 72:527; var. elatior 52:173; 57:288; 60:68; 63:289; 72:527; 75:321; f. villosa 52:173; 72:527; × coronopifolia 60:191, 315; × trifida 60:309-315; bidentata 60:126, 201; 75:407; × trifida 60:310; confertiflora 67:354; coronopifolia 60:177-182, 183 (fig. 1A, map), 184-185, 186 (fig. 2B), 187-188, 189 (fig. 3B), 190 (fig. 4), 191-203, 314 (fig. 2A); cumanensis 64:265; elatior 60:178, 195, 201; × helenae 60:200, 310, 315; hispida 57:280, 288; 69:447; **intergradiens** 60:183 (fig. 1B, map), 186 (fig. 2B), 189 (fig. 3B), 190 (fig. 4), 191-197, 200-203, 315, pl. 1234; media 60:195; peruviana 64:265; polystachya 62:124 (fig. 4), 125; 70:232, 238; psilostachya 54:181; 60:177, 181, 183, 185, 188, 190 (fig. 4), 200-203, 311; var. coronopifolia 55:197, 224; 60:126, 181; tomentosa 74:394; trifida 55:197; 60:178, 180-182, 195, 201, 310-312, 314 (fig. 2D); 71:174-175
Ambrosiaceae 67:354
Amelanchier 52:227; 55:45; 72:350; alnifolia 53:158; 59:120; arborea 52:276; 59:122; 64:18; 69:307, 316; 72:519; bartramiana 55:166; 59:122; 65:92; 66:141, 146-147, 153; 69:307, 316; × laevis 55:166; 69:307, 316; 72:519; canadensis 55:81, 166; 69:307, 316; 72:519; var. **subintegra** 52:67-68; gaspensis 53:6, 16; 69:307, 317; humilis 55:46; 59:120; 69:307, 317; var. compacta 55:81, 166; huronensis 55:81, 165; intermedia 55:166; 69:307, 317; laevis 53:10; 55:166; 63:66; 65:92; 66:141, 146, 153; 69:307, 315; 71:20, 25; 72:519; × bartramiana 65:92; × canadensis 72:519; mucronata 55:81, 166; nantucketensis 69:307, 317; ×neglecta 69:207, 316; **quintimartii** 59:121-122, pl. 1228; sanguinea 55:165; 69:307, 316; spicata 59:120; stolonifera 53:3; 55:166; 59:120; 69:307, 315; 72:519; wiegandii 55:81, 165; 69:307, 316
Amellus 75:170-171; asper var. canescens 75:192; var. glabriusculus 75:194; var. normalis 75:192; spinulosus 70:50; villosus 70:49
Amesia latifolia 51:163
Ammannia 69:429; latifolia 57:287; 69:429
Ammiaceae 67:344
Ammophila arenaria 70:223; breviligulata 62:199; 65:284; 67:89; 70:225; 71:19, 22, 540; 73:22, 23 (fig. 1), 30; 75:56, 315
Ammoselinum popei 62:94
Amomis caryophyllata 67:342; 69:431; grisea 67:342; 69:431
Amorpha 55:157; 56:261; 70:512; canescens 54:235; 55:157-158; 57:291-292; 70:29; × fruticosa 55:158; crenulata 56:263; croceolanata 56:263; curtissii 56:263; cyanostachya 56:263, 265; floridana 56:263, 265; fruticosa 55:158; 56:263-264; **georgiana** 56:261, 263, 264 (figs. 1-6), 265; herbacea 56:263, 265; microphylla 58:287; 70:29; **nana** 57:291, 293; 58:287; 70:29; **nitens** 56:263; ×**notha** 55:158; virgata 56:263
Amorphophallus bulbifer 62:252
Ampelamus albidus 60:21, 30; 70:431
Ampelopsis arborea 67:181; 73:206, 504-505, 508, 510; japonica 73:210; orientalis 73:211
Amphiachyris amoenum 62:52; dracunculoides 62:46-48, 49 (fig. 1), 52; fremontii 62:46
Amphianthus 70:396; pusillus 70:394, 396
Amphibromus 68:103, 115; scabrivalvis 68:115
Amphicarpa bracteata 64:91; var. comosa 55:224
Amphicarpon floridanum 75:374; muhlenbergianum 75:374; purshii 51:125
Amphidium lapponicum 59:26; 62:158
Amphiglottis anceps 67:326; corymbosa 67:326; difformis 67:326; lacera 67:326; nocturna 67:326; pallidiflora 67:326; secunda 67:326
Amphilophis ischaemum 67:317; saccharoides 67:317
Amphipappus fremontii 62:45-47, 49 (fig. 1), 50

Amphipleura rutilans 75:59-60
Amphiprora ornata 74:521 (fig.), 522
Amphisphaeriaceae 71:200
Amphora ovalis 64:53
Amsinckia lunaris 63:230; retrorsa 63:44
Amsonia angustifolia 56:257; rigida 75:398
Amygdalaceae 67:331
Amyris 69:416; balsamifera 66:19; elemifera 69:416; floridana 66:19
Anabaena 63:281; 64:57; affinis 63: 281; 67:252; circinalis 71:447-448, 449 (fig. 7); cylindrica 67:252-253; flos-aquae 63:281; 67:252-253; 71: 447-448, 449 (fig. 10); inaequalis 75:292; limnetica 64:53; oscillarioides 58:118; 63:281; 67:252-253; schremetievi 71:448, 449 (fig. 6); sphaerica 75:292; spiroides 63:281; subcylindrica 67:252; torulosa 67: 252; 73:268; 75:292; variabilis 58: 118; 64:53; viguieri 64:53
Anabaenopsis elenkinii 64:53; 67:252-253
Anacamptodon splachnoides 62:161
Anacardiaceae 55:172; 63:211; 67:338; 69:421; 71:32; 75:418
Anacardium 69:421; occidentale 69: 421
Anacharis 67:155, 166; alsinastrum 67:12, 21, 26, 166; callitrichoides 67:166; canadensis 55:118; 67:12, 25, 31, 166, 169; var. planchonii 67: 12, 23; chilensis 67:166; densa 67: 157, 166; hillariana 67:166; linearis 67:29, 166; matthewsii 67: 166; naias 67:166; nuttallii 67:6, 166, 169; occidentalis 67:6, 167; planchonii 67:12, 167; pomeranica 67: 167; potamogeton 67:167; tripteris 67:167
Anacheilium cochleatum 67:326
Anacystis cyanea 75:282; dimidiata 58:118; 71:116; 73:267; 75:282; marina 75:283; montana 58:118; f. minor 58:118; 75:283; f. montana 75:283; rupestris 58:119; thermalis 58:118; f. major 58:118; f. thermalis 75:283
Anadenanthera 70:120, 128, 331; peregrina 67:332; 70:114-115, 117-119, 125, 127-128, 131-132, 144, 331-332, 333 (fig.)
Anagallis arvensis f. caerulea 62:263; 65:81
Anamomis dicrana 72:23; fragrans 67:343; 69:431; simpsonii 72:23; umbellulifera 67:343
Ananas 71:36, 278; ananas 67:323; ananassoides 71:278; comosus 67: 323; 71:278-279
Anaphalis margaritacea 51:144; 55: 43; 66:414; 71:307; var. angustior 66:152; var. intercedens 55:197, 224; 66:415; 70:179; 71:308; 72:527; 75: 321; var. margaritacea 66:414, 416; 71:308; 72:527; var. subalpina 65: 95; 66:152; 71:302, 307; 75:321
Anaptychia hypoleuca 60:82
Anastraphia bahamensis 66:15; cuneifolia 66:6, 15
Anastrophyllum michauxii 59:252; minutum 59:253; saxicola 60:219, 220 (fig. 9, map)
Anatherum zizanioides 67:318
Anchistea virginica 66:381; 71:31
Anchusa officinalis 54:210
Ancylogyne 66:313; capitata 66:319; longiflora 66:335; munita 66:325; peruviana 66:323
Andira 69:412; inermis 69:374, 412
Andrachne cuneifolia 67:337
Andreaea rothii 62:151
Andreaeaceae 62:147, 151
Andreusia 61:48
Andrewsia 61:48; autumnalis 61:49; verna 61:55
Andromeda glaucophylla 55:41-42, 44, 181; 62:174; polifolia 55:14; 58:322; 62:262; 71:508; tetragona 54:55, 283
Andropogon 68:106, 347; altus 68:348, 350; annulatus 67:317; arctatus 75: 374; bequaerti 52:249; bicornis 68: 347, 350; brevifolius 67:317; campyloracheus 60:10; capillipes 75: 375; cirratus 68:348-349; condensatus 68:348; condylotrichus 67:318; cordatus 68:348, 351; divergens 75: 375; elliottii 52:45-46; 53:128, 129 (fig. 1, map); 55:289; 73:111; furcatus 55:12; 56:208; gerardi 51:20; 55:12; 57:321; 59:124; 60:144; 66: 166; 68:439; 72:79; glomeratus 57: 278, 283; 71:31; gracilis 67:317; hallii 52:19; hassleri 68:347, 349; hirtiflorus 67:317; 68:348-349; 75: 375; intermedius 74:378; ischaemum 56:37; 58:44; lateralis 68:348, 351; leptocladus 68:348, 351; leucostachyus 68:347, 350; littoralis 75: 375; niveus 75:375; perangustatus 66:380; 75:376; pertusus 66:11, 273; 67:317; praematurus 56:37; 58:326-327; f. hirtivaginatus 58:327; riedelii 68:349; saccharoides 51:19; 55:290; 56:208; 67:317; 68:348, 350; subsp. laguroides 68:350; subsp. parvispiculus 68:350; subvar. perforatus 68:350; var. barbinodis 68: 350; scoparius 51:20; 52:19; 56:35, 37, 208; 57:113, 320; 58:326; 61:268;

63:132; 72:79; 73:498; var. divergens 56:35-37; var. frequens 56:36-37; 60:67; var. genuinus 56:37; var. littoralis 56:36; var. neomexicanus 56:36-37; var. polycladus 56:36-37; var. scoparius 56:37; var. septentrionalis 56:37; var. **virilis** 56:36; selloanus 68:347, 351; semiberbis 67:317; stolonifer 66:380; tener 68:348-349; subvar. hirtiglumis 68:348-349; ternarius 73:111, 498, 512, 514; 75:374; tracyi 66:381; villosus 68:353; virgatus 68:347-348; virginicus 52:45-46; 53:128; 57:283; 63:132; 67:317
Androsace chamaejasme subsp. lehmanniana 55:251; 65:220; maxima 58:45; septentrionalis 53:158
Aneilema geniculatum 67:323; keisak 53:25, 92-93; nudiflorum 53:92; spiratum 70:571
Anemone acutiloba 62:232; canadensis 52:273; 53:268; 55:151; 62:110, 114; cylindrica 51:110; 62:110, 113; hepatica 62:232; var. acutiuscula 62:226, 232; var. rotundata 62:226; var. typica 62:226; multifida 51:8; 62:110, 114; 74:391; var. richardsiana 53:6; narcissiflora 55:248; 65:211, 216; subsp. interior 55:250; 65:216; nemorosa 55:295; 62:110, 116; nudicaulis 55:150; parviflora 51:8; 53:7, 50; 65:216; 67:92-93, 382; pulsatilla 51:31; quinquefolia 52:294; 55:45; 62:110, 113; var. interior 55:151; f. **rubra** 52:57; riparia 53:7; 62:110, 114; triloba 62:232; virginiana 55:151; 62:110, 114; f. leucosepala 62:110
Anemonella 75:388; thalictroides 52:262; 62:110, 114; 66:312; f. flavilliana 51:148
Anethum 69:432; graveolens 69:432; 72:394 (pl. 1), 395
Angelica atropurpurea 51:111; 53:20; 54:227; triquinata 52:175; venenosa 54:128
Angelonia biflora 71:551
Angiospermae 75:546
Anisacanthus abditus 72:70-71; ochotorenae 72:70-71; **stramineus** 72:70-71
Anisodontea 69:16
Anisosorus hirsutus 67:357
Anisostomula areola 62:194; rubescens 62:186, 194, 195 (figs. 4-5)
Ankistrodesmus 63:277; convolutus 63:277; 64:53; falcatus 58:118; 63:277; 64:53; 71:451; var. acicularis 63:277; 64:53; 71:451; var. mirabilis 63:277; 71:451; spiralis 63:277
Anneslia haemostoma 67:331; portoricensis 67:331; 69:409; purpurea 67:331
Annona (see also Anona) 69:406; glabra 57:285; 69:406; muricata 69:391, 406; reticulata 69:406; squamosa 69:406
Annonaceae 67:330; 69:406
Anoda cristata 74:383
Anomalostylus 64:291, 303; **coriifolius** 64:304, 306-307; crateriformis 64:304-305, 307; **grandis** 64:304, 306
Anomodon attenuatus 53:126; 59:258; 62:161; 64:124; minor 53:126; 59:256; 62:161; rostratus 53:126; 62:162; rugelii 62:162; tristis 62:162; viticulosus 62:170
Anomylia cuneifolia 59:253
Anonymos pudica 63:36-38; var. nitida 63:37
Anona (see also Annona) cherimolia 61:112 (pl. 1240)
Anotis ciliolosa 61:176; lanceolata 61:171; longifolia 61:195; purpurea 61:167
Anredera 69:405; baselloides 67:330; leptostachys 67:330; 69:405
Antennaria 51:97; 52:227; 53:53, 104; 55:45; alpina 54:53; angustata 54:53; appendiculata 53:8; aprica 52:59-60; 60:306; var. **aureola** 52:59; aureola 52:59-60; bayardi 72:136; brainerdii 72:527; campestris 60:306; 62:131; canadensis 53:8; 55:197; 57:302; 60:306; 72:527; **fallax** 60:306; 72:527; longii 72:136; margaritacea 55:295; microphylla 52:60; 55:362; 60:306; monocephala 55:252; munda 55:197; 60:306; 72:527; neglecta 51:112; 60:68, 306; 72:527; var. **campestris** 62:131; neodioica 51:112; 53:8; 55:197; 60:68, 306; 72:527; var. attenuata 55:197; var. interjecta 53:8; oxyphylla 53:159; parlinii 56:251; parvifolia 56:211; petaloidea 55:197; 60:306; philonipha 55:252; plantaginea 55:308; plantaginifolia 52:297; 55:295; 60:68, 306; porsildii 61:32; rosea 54:291; rupicola 53:9; solstitialis 52:60
Anthacanthus 69:443; spinosus 69:443
Anthaenantia villosa 71:31
Anthelia juratzkana 60:217, 219 (fig. 8, map), 223
Anthelis 67:312; subgen. Horanthes 67:201, 312; arenaria 67:311; podanisia 67:302
Anthemis arvensis var. agrestis 60:127; var. arvensis 60:127; cotula 72:527; mixta 60:127; nobilis 72:96, 98; tinctoria 56:251; 60:127; 72:527

Anthoceros ravenelii 53:119, 122
Anthocerotaceae 53:122
Anthochloa 68:99, 234; lepidula 68: 234; rupestris 68:234
Anthodiscus 70:335; obovatus 70:335
Anthostoma pulviniceps 71:194-195
Anthoxanthum odoratum 51:125; 55: 289; 60:65; 65:89; 71:519; 72:511; 75:315; f. giganteum 72:47; f. odoratum 72:47; puelii 71:564
Anthriscus cerefolium 67:344; scandicinus 60:20; sylvestris 59:6, 19; 69:379
Anthurium crystallinum 62:252, 256; dominicense 70:414; magnificum 62: 254; scandens 62:254, 256; scherzerianum 62:254; undatum 62:256
Antigonon 69:402; guatamalense 67: 328; leptopus 69:402; 75:386; macrocarpum 67:328
Antirhea acutata 67:353; coriacea 67:353; lucida 67:353; obtusifolia 67:353; portoricensis 67:353; sintenisii 67:353
Antithamnion 66:222 (pl. 1300); americanum 71:136; 72:201, 220; boreale 66:224; 71:136; 72:201, 220, 236; cruciatum 71:136; 72:117, 220, 231-232, 236, 322, 333; 73:284; 75: 276; floccosum 66:224-225; 71:154; 72:117, 220, 232, 236, 322, 333; 74: 421; plumula 72:201, 221, 236; pylaisaei 71:136; 72:201, 221, 236
Antrophyum alatum 66:110; brasilianum 66:112-113; var. elongatum 66:112; cajanense 66:112-113; callifolium 66:110; cayennense 67:357; discoideum 66:112-113; guayanense 66:113; jenmanii 66:114; latifolium 66:110; ledermanii 66:110; reticulatum 66:110; subfalcatum 66:110; subsessile 66:113; var. elongatum 66:112
Anychia capillacea 51:110
Apalanthe 67:167; granatensis 67: 167; guyannensis 67:167; schweinitzii 67:2, 167
Aperia hymenanthera 67:325
Apetalae 75:144
Aphaerema spicata 59:18
Aphanelytrum 68:99, 115; procumbens 68:115
Aphanizomenon flos-aquae 71:448, 449 (fig. 11)
Aphanocapsa elachista 67:252; grevillei 64:53
Aphanochaete clathrata 64:53; microscopica 64:53; repens 58:118; 63: 276; 64:53; stagnina 64:54
Aphanorhegma patens 62:156; serratum 62:156
Aphanostephus arizonicus 66:271; pachyrrhizus 66:271; pilosus 51:28; 52:37; ramosissimus 51:27-28; 52: 20, 37; 65:226, 230 (fig. 5); 66:271; ramosus 65:226; 66:270-271; ridellii 66:271; skirrhobasis 51:24-25; 66: 270 (fig. 1), 271
Aphanothece castagnei 63:280; clathrata 71:448
Aphantochaeta 62:62
Aphyllon uniflorum 51:111
Apiaceae 71:33
Apios 55:355; 64:147; americana 60: 70; 64:151, 157 (fig. 15); 67:26; f. pilosa 54:212; tuberosa 64:151; 67: 26
Apiosporina morbosa 64:134-135
Apium leptophyllum 67:344; petroselinum 67:344
Aplectrum hyemale 53:82, 87; 56:23
Aplodon wormskioldii 54:277
Aplopappus spinulosus 58:282; 70:370
Apocynaceae 52:296; 55:186; 66:13; 67:346; 69:434; 70:326-327, 417, 427; 71:550; 72:30
Apocynum androsaemifolium 53:5, 158; 55:46, 186, 295; 60:70; 63:44; 72:524; medium 53:9; 63:44; 74:385; sibiricum 53:9; 63:44
Apodanthes 70:426
Apodynomene 51:233, 374; grandiflora 51:233, 372; meyeri 51:372
Apteria aphylla 67:325
Aquifoliaceae 67:338; 69:421; 71:32, 574
Aquifolium 53:232
Aquilegia canadensis 52:294; 55:151; 62:110, 114; 69:195; 72:339, 347, 492; f. **ecalcarata** 69:195, 196 (fig. 1); f. flaviflora 69:195; f. phippenii 62: 110; 69:195; var. australis 64:150, 155 (fig. 11); var. coccinea 62:110, 114; var. flaviflora 62:110; formosa var. flavescens 60:86; vulgaris 62: 110, 115; 72:517
Arabidopsis mollis 54:163; thaliana 61:268-269; 63:48, 54
Arabis 54:12-13, 88, 162; 61:272; 69: 463; arenicola 70:206, 209, 211; var. arenicola 70:211; var. pubescens 55:161; 70:211; blepharophylla 54: 13; brachycarpa 53:11; canadensis 63:47, 52, 348; canescens 68:513; cobrensis 54:13; crandallii 54:13; crucisetosa 54:13; cusickii 54:13; dentata 58:292; 62:242; var. phalacrocarpa 62:130; dispar 54:13; divaricarpa 53:11; 55:46; 63:47, 53; var. typica 55:161; × holboellii var. retrofracta 55:162; drummondii 56: 248; 57:301, 303, 308; 63:47, 52; 68:413 (fig. 9, map), 417; 70:180, 187, 452; fendleri 74:83; var. spati-

folia 68:513; furcata 54:13; glabra 55:161; 63:48, 52; 69:32; 74:391; glaucovalvula 54:13; hirsuta 55:161; var. pycnocarpa 53:158; 55:161; 56: 248; 57:307; 63:48, 52; 68:413 (fig. 9, map), 417; 70:180-182; holboellii 59:68; var. collinsii 58:323-324; var. retrofracta 55:53, 82, 162; 68:513; hookeri 54:162; koehleri 54:13; laevigata 63:48, 53, 146; 69:32; lyrata 52:273; 55:161; 63:48, 53; 70:205; missouriensis 60:206; 63:48, 53; 70:452; parishii 54:13; pauciflora 68:513; perennans 54:13; perfoliata 55:161; perstellata 58:292, 293 (figs. 1-9), 294; 62:242-244; var. **ampla** 62:243-244; var. perstellata 55:224; 62:243-244; var. shortii 58: 292; 62:242; pinnata 62:11, 18-19; platysperma 54:13; procurrens 63: 48, 55; pycnocarpa var. typica 55: 161; rectissima 54:13; schockleyi 54:13; shortii 58:292, 294; 62:200, 242-243; var. **phalacrocarpa** 62:130; stelleri 62:12; suffrutescens 54:13
Araceae 52:293; 53:79; 55:126; 62: 251; 63:211; 67:322; 70:412-414, 417; 75:316
Arachis 69:412; fruticosa 62:341; hypogaea 53:162; 69:412
Aralia hispida 53:20; 55:177; 72:522; 75:319; nudicaulis 52:296; 54:64; 55:45-46, 177, 295; 58:310; 65:93; 72:281, 492, 522; quinquefolia 72: 339; racemosa 53:11; 54:175, 209; 55:177; 67:394, 396 (fig. 5, map); 70:182; spinosa 51:155; 71:478
Araliaceae 52:296; 55:177; 67:344; 69:432; 75:319
Arbutus 71:337-338; menziesii 73:185; texana 73:388; uva-ursi 55:13
Arceuthobium cryptopodium 74:83; pusillum 60:298, 302; 67:409; 72:516
Archibaccharis hieraciifolia 74:498, 511; hieracioides 74:498
Archidiaceae 62:147, 152
Archidium alternifolium 62:152
Arctagrostis arundinacea 65:212; latifolia 54:51; 55:248; 65:212; var. arundinacea 65:212
Arctium 59:44; lappa 59:44; 63:45; 65:368; 66:55; minus 55:200; 59:44; 60:66; 72:528; f. pallidum 59:32; nemorosum 72:528; tomentosum 59: 44; 63:45, 289; 65:81
Arctoa falcata 62:170; starkei 51:122
Arctophila fulva 65:213
Arctostaphylos 51:366; alpina 67:380; subsp. rubra 70:212; uva-ursi 52:79; 55:41, 182; 57:113; 62:262; 71:19; 72:530; var. adenotricha 55:182; var. coactilis 55:182; 72:523
Arctotis stoechadifolia 64:261 (fig. 32), 270
Arctous 51:366; alpina 62:262
Arcyphyllum simplicifolium 64:62
Ardisia crenulata 69:375; escallonioides 57:277, 287; 66:19; glauciflora 67:344; luquillensis 67:344; obovata 67:344; 69:433; serrulata 69:375
Arduina grandiflora 67:346
Arenaria arctica 65:216; brevifolia 52:71-72; caroliniana 62:108, 112, 114; 70:290; dawsonensis 53:11, 16; 67:381; var. litorea 53:16; elegans 60:45, 47; filiorum 60:49-52; groenlandica 55:295; 61:123; 62:108, 113; 72:517, 530; 74:367-370, 372-374; var. glabra 62:108, 113; humifusa 67:381; lateriflora 62:108, 113; 64: 345; 65:91; 71:516, 521; 72:517; 75:317; litorea 53:11, 16; macrantha 60:44-45, 49-50, 52; macrophylla 52:286; 55:53, 81, 147; 62:108, 112, 115; marcescens 61:123; nuttallii 60:53; subsp. fragilis 60:53; subsp. gracilis 60:53; subsp. gregaria 60: 53; subsp. nuttallii 60:53; obtusiloba 65:216; patula 72:272; peploides 54:40, 203; var. robusta 62:108, 115; 71:25; 72:517; 75:317; rosei 60:53; rossii 60:44-46, 49, 51; 65:216; subsp. **columbiana** 60:48, 50; var. apetala 60:48, 50, 52; var. columbiana 60:48; subsp. **elegans** 60:47, 51; subsp. rossii 60:45, 51; var. apetala 60:49; var. columbiana 60:48; rubella 54:49, 51, 278; 60:50, 52; 62:108, 116; 67:381; serpyllifolia 62:108, 115; var. tenuior 55: 160; 62:108, 115; stricta 52:273; 58:318; 60:45, 52; 62:108, 114; subsp. dawsonensis 60:53; subsp. macra 60:53; subsp. stricta 60:52; subsp. texana 60:52; uliginosa 55: 222; uniflora 52:71-72
Arethusa bulbosa 52:44; 53:82, 84-85; 55:83, 140; 67:373; 70:196, 198, 206-208; 72:514; 75:316; pendula 58:34
Argemone 69:406; alba 52:262; 63:47, 55; leiocarpa 57:285; mexicana 57: 285; 63:47, 55; 69:406; polyanthemos f. polyanthemos 73:553; f. **rosea** 73:553
Argopsis 56:113
Argythamnia 69:418; candicans 69: 418; fasciculata 67:337; 69:418; humilis var. **leiosperma** 73:553; mercurialina 65:197
Arikuryroba ruschiana 65:261; tostana 65:261
Arinemia 53:232

Arisaema 69:173; atrorubens 52:131; 53:79, 85; 55:48, 135; 63:295; f. atrorubens 55:226; f. viride 53:79; f. zebrinum 53:79; 55:226; 66:312; dracontium 53:79, 87; 62:200; 66:312; pusillum 63:20; stewardsonii 52:131, 293; 53:79, 85; 69:31; 71:168; 72:513; triphyllum 53:41, 79, 87; 71:563; f. pusillum 53:79, 87
Arisarum vulgare 62:252, 256
Aristida 56:257; 68:99, 277; 70:30; adscensionis 56:179; 68:277; affinis 71:31; arizonica 56:209; asplundii 68:278; barbata 56:157; basiramea 58:318; 59:32; capillacea 68:277; chaseae 67:319; circinalis 68:277, 279; complanata 68:279; desmantha 60:42; divaricata 51:20; 56:209; enodis 68:277-278; fendleriana 74:83; friesii 68:279; glauca 51:20; implexa 68:277-278; intermedia 56:30; 59:231; 68:440; inversa 68:278; laevis 68:277, 279; lanosa 51:127; 60:206, 208; 73:111, 498; longespica 59:231; 69:452; var. geniculata 56:30; 68:440; var. longespica 56:30; longiramea var. boliviana 68:279; longiseta 74:83; longispica 69:452; mandoniana 68:277; mendocina 68:277-278; **necopina** 56:30; 68:440; oligantha 51:127; 58:318; 70:30; pallens 70:30; patula 57:278, 283; pflanzii 68:278; purpurascens 57:283; 59:231; 71:31; purpurea 52:19; riparia 68:277-278; spiciformis 51:126; spp. 53:128; stricta 51:137; 60:291; 66:378; 71:31; 73:498; ternipes 66:11; tuberculosa 61:268; 75:371
Aristolochia 69:402; 70:324; bilabiata 67:328; clematitis 60:298, 305; cordiflora 67:328; durior 60:298, 305; elegans 67:328; 69:402; galeata 67:328; grandiflora 67:328; littoralis 67:328; 69:402; nashii 63:20; oblongata 67:328; odoratissima 67:328; ringens 67:328; serpentaria 60:298, 303; trilobata 69:402
Aristolochiaceae 52:294; 55:145; 60:298; 67:328; 69:402
Armeria 51:367; labradorica 67:381; maritima 54:141; var. interior 70:205-206, 209, 211
Armillaria decorosa 71:177-178; viscidipes 71:178, 179 (pl. 1406), 180
Armoracia aquatica 63:48, 53; 64:324; lapathifolia 63:48, 54; 72:518; rusticana 64:324
Arnica 52:281, 283-284, 286-287; 55:55; subgen. Andropurpurea 52:282; subgen. Arctica 52:281; alpina 52:281-282; subsp. attenuata 53:159; var. lessingii 52:282-283; amplexicaulis 52:284; angustifolia *β* lessingii 52:282-283; attenuata 55:56; brevifolia 52:283; chionopappa 52:287; 53:8; 54:201, 222; 55:52-53, 80, 200, pl. 1190; 68:412 (fig. 6, map), 417-418; 70:184; cordifolia subsp. whitneyi 52:287; frigida 52:283; var. **glandulosa** 55:56; fulgens 55:56; illiamnae 52:283; lanceolata 52:284-286; lessingii 52:281-283; 55:56-57; lonchophylla 54:200-201; subsp. arnoglossa 52:287; subsp. chionopappa 52:287; louiseana 52:281; 55:247; frigida 52:282; subsp. frigida 52:281-283; 55:252; 65:222; mendenhallii 52:283; mollis 52:284-286, 288; 53:8; var. petiolaris 52:285; montana 52:287-288; *β* angustifolia 52:283; nutans 52:283; obtusifolia 52:283; var. acuta 52:283; parryi 52:285; plantaginea 55:57; porsildiorum 52:281, 283; 55:56; sancti-laurentii 52:282-283; sornborgeri 55:56; var. ungavensis 55:56; unalaschcensis 52:282; whitneyi 52:287; wilsonii 54:200-202
Aronia arbutifolia 73:492; floribunda 67:376; melanocarpa 55:165; 75:390
Arrhenatherum elatius 51:8; 56:245; 59:234; 63:132; 73:105; f. biaristatum 60:65; var. bulbosum 56:180
Artemisia 75:511; sect. Tridentatae 61:82; 67:405; 70:286; absinthium 59:289; albula 60:127; aleutica 65:222; annua 74:388; arbuscula 61:83-84; subsp. **thermopola** 61:83; 70:286; arctica 55:252; 65:222; 74:110-111; **argilosa** 61:84; bigelovii 61:82; borealis 65:222; 74:110; campestris subsp. borealis 70:206, 209, 211; camporum 55:199; cana 61:84; 63:41; subsp. bolanderi 61:84; subsp. cana 61:84; subsp. **viscidula** 61:83-84; var. viscidula 61:84; canadensis 55:199; caudata 55:199; 58:323-324; 71:19, 27; var. calvens 55:199; cernua 57:291; 70:30; dracunculoides 60:116; 64:354; 70:30; dracunculus 70:30; filifolia 51:24-25; 52:19; frigida 53:159; 56:212; 59:289; 74:110; globularia 71:508; longifolia 55:236; **longiloba** 61:84; ludoviciana 75:409; var. brittonii 51:8; var. latifolia 54:129; norvegica 55:219; 74:111; subsp. saxatilis 65:222; nova 61:82; 67:405; nutans 57:291; 70:30; pacifica 55:199; parishii 61:83; parryi 60:266; petrophila 61:82; pygmaea 61:82; richardsoniana 65:222; rigida 61:82; rothrockii 61:84; saxicola 74:102,

110; senjavenensis 72:488; spiciformis 61:83; **longiloba** 61:84; stelleriana 70:223; 71:27, 540; 75:56, 511; tridentata 61:83; 67:405-406; subsp. tridentata 61:83; 67:405-406; f. **parishii** 61:83; subsp. **vaseyana** 61:83; 67:405-406; f. **spiciformis** 61:83; subsp. **wyomingensis** 67:405-406; trifida 61:82; trifurcata 65:222; tripartita 61:82, 84; subsp. **rupicola** 61:82; subsp. tripartita 61:82-83; var. hawkinsii 70:286; viscidula 61:84; vulgaris 60:25; 72:527
Arthraxon ciliaris 73:39, 42; subsp. langsdorfii var. cryptatherus 73:39, 41; cryptatherus 73:41; hispidus 56:181; 73:39-42, 44; var. cryptatherus 56:181; 73:39-42; var. hispidus 73:39, 42
Arthrocladia villosa 75:564
Arthrodesmus 63:279; 64:57; bulnheimii 71:461; convergens 63:279; incus var. extensus 63:279; 71:461; octocornis 63:279; ralfsii 71:461; triangularis 63:279; var. subtriangularis 71:462
Arthrospira brevis 75:284
Arthrostylidium 68:100, 108; racemiflorum 68:108
Artocarpus 52:7; 69:401; altilis 69:401; communis 69:401; heterophylla 67:328; incisa 69:401; integer 52:7; integrifolia 52:7; 67:328
Arum hygrophyllum 62:252, 256; **italicum** 62:252, 256; **sagittaefolium** 74:516; **virginicum** 74:516-517
Aruncus dioicus 69:307, 318
Arundinaria 68:100, 109; gigantea 54:82-83; 55:60; 65:134, 135 (pl. 1884); 71:31; herzogiana 68:109; japonica 65:134; nipponica 65:134; tecta 54:83; 56:181; 65:134, 135 (pl. 1884), 136; 66:381
Arundinella 68:100, 291; berteroniana 68:291; confinis 68:291
Arundo 68:99, 231; donax 68:231
Asarum canadense 52:294; 53:14; 55:145, 295; 57:131; 60:298, 303; 63:295; 66:312; 71:172; 72:492; var. acuminatum 55:145; 60:298, 303; var. reflexum 60:298, 303; virginicum 58:40; 63:206
Asclepiadaceae 52:296; 62:237; 63:211; 66:13; 67:346; 69:435; 70:415, 427; 71:33; 75:420
Asclepias 69:435; 72:54; 75:160; aceratoides 75:399; amplexicaulis 57:336-337; cinerea 71:33; curassavica 69:435; exaltata 57:265; fragrans 57:95; hirtella 75:398; incarnata 57:336; 59:7; 72:29; 73:260; f. albiflora 54:210; var. incarnata f. albiflora 74:385; var. neoscotica 55:19; var. pulchra 55:19; 72:524; var. typica 55:19; involucrata 56:209, 211; lanceolata 71:33; lanuginosa 63:44; longicornu 52:36; longifolia 71:33; macrotis 51:59; 52:170, 174; 56:208-209; michauxii 71:33; obovata 52:170; pedicellata 54:176; quadrifolia 75:160; stenophylla 66:379; sullivantii 63:44; syriaca 52:296; 58:197; 60:64, 68; var. kansana 58:197-198; tomentosa 75:399; tuberosa 61:72-73, 75; 73:496; subsp. rolfsii 61:73-75; subsp. tuberosa 61:73-75; uncialis 56:212; variegata 51:21; verticillata 57:282, 287; 60:206; 73:496; 75:135; viridiflora var. linearis 52:171
Ascocyclus distromaticus 71:125; orbicularis 75:269
Ascolepis 67:99; brasiliensis 67:99
Ascomycetes 64:133; 65:300; 68:185; 71:193
Ascophyllum 75:539, 568; mackaii 74:286; nodosum 66:220, 230; 71:115, 117-118, 123, 125, 129, 133-134, 138; 72: 116, 227, 319-320, 324, 336; 73:282, 285; 74:268, 295, 297, 411, 416, 418, 425, 481, 483; 75:58, 271; ecad mackaii 74:130; f. scorpioides 71:154; 73:282; 74:411, 416, 418, 482, 483 (fig. 1); 75:271
Ascyrum 59:73; 63:10; amplexicaule 59:93; calicinium 59:94; coriaceum 59:94; cruciatum 59:94; crux-andreae 59:79, 94; angustifolium 59:81; cubense 59:93; cuneifolium 59:88, 90; edisonianum 59:77, 78 (map 1), 91-92; 63:15; filicaule 59:75; glandulosum 59:94; grandiflorum 59:88; helianthemifolium 59:87; humifusum 59:94; hypericoides 59:74, 77, 79-83, 88; 63:15; 64:237; 66:379; 67:341; 70:225; var. hypericoides 59:80-81, 82 (map 3), 83-85, 86 (figs. 1-25), 87; 74:145; var. multicaule 59:80-81, 87, 89 (map 5); 73:553; 74:145; var. oblongifolium 54:128; 59:82; 60:206; var. typicum 59:82; involutum 59:94; linifolium 59:81; macrosepalum 59:82; microsepalum 63:14-15; monogynum 59:94; montanum 59:81; multicaule 59:87; 63:13, 15; 64:236; 73:553; oblongifolium 59:81; pauciflorum 59:77; plumieri 59:82; pumilum 59:77, 78 (map 1); 63:12-13, 15; 66:379; sibiricum 59:94; simplex 59:94; spathulatum 59:87; 63:15; stans 59:77, 88 (map 4), 90-93; 63:13, 15; tetragonum 59:94;

tetrapetalum 59:77, 78 (map 2), 81, 93; 63:13, 15; villosum 59:94
Asemeia cumulicola 57:286; grandiflora var. leiodes 57:286
Asimina angustifolia 73:492; incana 73:492; triloba 51:155; 59:257; 66:312
Asparagopsis 75:573-574, 588, 611; hamifera 66:225, 230; 71:132, 527; 72:208; 75:273-274
Asparagus officinalis 53:80, 88; 60:65; 73:104
Aspergillus spp. 73:306-308
Asperococcus echinatus 71:126; 72:116; 74:267; 75:270
Aspidiaceae 63:211
Aspidium coarctatum 69:5; consanguineum 61:306; fragile 54:48; funestum 63:34; goldianum 70:457-458; invisum 63:34; lasiesthes 69:7; limbatum 61:306; pilosulum 69:7-8
Aspilia 70:241; 75:173
Asplenium 70:2, 346; 75:2; bradleyi 56:227; 57:235, 237, 319; 59:127; 63:20; callipteris 68:466; cryptolepis 57:237; 60:244; ebenoides 57:235, 237; ×ebenoides 57:238; ×gravesii 57:238; limbatum 68:467; marginatum 68:467; monanthes 57:235; montanum 57:237; 63:46; 65:78; pinnatifidum 57:235, 237, 240; platyneuron 57:237; 70:452; rutaceum 69:376; rutamuraria 57:229 (fig. 33), 237, 239; var. cryptolepis 57:225; 62:231; var. ruta-muraria 62:231; trichomanes 54:167; 55:53, 82, 99; 57:235, 237; 64:209; 68:413 (fig. 7, map), 415, 417; 70:186, 346; 75:167; trudelli 57:237; ×trudelli 57:240; viride 53:265; 57:237; 68:410, 411 (fig. 1, map), 416; 70:182; 73:105
Asplundia ponderosa 65:1, 2 (fig. 1); rhodea 65:3 (pl. 1274), 4 (pl. 1275)
Asprella hystrix 51:109; 69:135
Astephanus leptophyllus 62:238; schlechterianus 62:237
Aster 51:83, 99; 53:53; 70:221, 443-444; 71:514; 72:39, 251-252, 565; 75:1-2, 4 (fig. 1), 10 (fig. 5), 26, 30, 32, 498, 513; sect. Aster 64:253; sect. Oxytripolium 64:253; ser. Heterophylli 75:1, 3; subgen. Euaster 51:121; acuminatus 51:101-102; 55:295; 65:95; 66:414; 67:377; 72:263, 401-402, 403 (fig. 2), 405, 407-412, 413 (fig. 4), 414, 418-419, 420 (fig. 5), 421, 422 (fig. 6), 423 (fig. 7), 424 (fig. 8, map), 425-426, 430 (fig. 12), 431-432, 437, 526; 75:1-4, 6 (fig. 2), 7 (fig. 3), 8 (fig. 4), 9, 11-12, 15, 17 (fig. 10), 18-19, 21-22, 27, 30, 321; f. discoideus 65:95; 72:419; f. **subverticillatus** 51:101; f. virescens 65:95; 72:419; var. **magdalenensis** 51:101-102; × nemoralis 72:401-438; adscendens 74:104; aestivus 51:92; amellus 51:121; anomalus f. **albidus** 51:119; azureus 51:94-95; 55:324; 57:317; f. **laevicaulis** 51:94; 57:316; scabrior 51:94; var. **poaceus** 51:95; bimater 64:252, 263; blakei 51:101; 66:414, 416; 72:401, 407, 419, 421, 431, 437; ×blakei 72:401, 404 (fig. 3), 405-407, 411-412, 413 (fig. 4), 414, 418, 420 (fig. 5), 421, 422 (fig. 6), 424 (fig. 8, map), 425-426, 428 (fig. 10), 429 (fig. 11), 430-432, 526; 75:1-4, 6 (fig.2), 8 (fig. 4), 9, 11, 13 (fig. 7), 14 (fig. 8), 15-17, 19, 20 (fig. 12), 21-22, 321; bracei 72:41; 73:49; brachyactis 71:219; 72:392; caerulescens 51:91-92; var. **angustior** 51:96; var. **subasper** 51:96; chapmanii 75:405; chasei 63:20; chilensis 74:104; ciliolatus 51:97; 55:45, 196; 72:260, 263; 73:106; 74:394; 75:27, 30; f. **comatus** 51:95; concinnus 75:26-27, 30; concolor var. concolor 72:40; var. **simulatus** 72:39; cordifolius 51:112; 53:5; 54:303; 55:295; 60:70, 72; 72:260, 262-263; 75:27, 30; var. cordifolius 72:526; var. moratus 57:317; var. polycephalus 57:318; crenifolius 51:96-99, (pl. 1147); 53:17; diffusus 51:90; divaricatus 67:231; 72:350; douglasii 51:97; dumosus 71:33; 72:79; 75:166; var. coridifolius 72:42; var. gracilipes 72:41; var. strictior 57:318; var. subulaefolius 69:452; 72:41-42; var. subulifolius 69:452; ericoides 51:112; 52:297; 55:362; 60:68; 72:406; 74:104; f. **exiguus** 51:96; f. **prostratus** 51:96; eryngiifolius 66:381; 75:405; exiguus 51:96; exilis 51:119; 62:177 (fig. 1), 181; 63:342; 74:104; var. australis 64:253, 263; 65:226; filaginifolius 54:297; foliaceus 51:91, 96-99, (pls. 1148-1150); 64:346; 66:152; 71:523; 72:526; 74:104; var. arcuans 51:96; 53:20; 65:95; 75:321; var. crenifolius 51:97; 53:17; var. subgeminatus 51:96; var. subpetiolatus 51:96; 53:17; var. typicus 51:98-99; fontinalis 72:40; frondosus 55:236; furcatus 57:268; gaspensis 51:99; gracilis 75:26-27, 30; hemisphericus 52:173; 62:320; herveyi 64:113-114; ×herveyi 64:113-114, 115 (pl. 1267); hesperius 51:92; hirtifolius 65:236; 74:104; hookerianus 67:235; infirmus 60:61; in-

terior 52:59; johannensis 51:99; 64: 346; 71:523; 72:526; 75:321; var. **villicaulis** 51:99; junciformis 55:196; 71:173; 75:27, 30; × puniceus 55: 196; laevis 57:317; 63:331; 72:263; f. beckwithiae 53:160; 59:32; var. geyeri 63:331; var. laevis 63:331; lateriflorus 51:90; 55:196; 60:68; 71:33; 72:526; 74:104; 75:26-27, 30; var. pendulus 60:68; var. tenuipes 72:526; laurentianus var. contiguus 53:3; ledifolius 51:100; β uniflorus 51:100; leucanthemifolius 58:281; lima 64:252; linariifolius 51:100; 54:130; 60:68; 71:33; var. victorinii 51:10; lindleyanus 55:196; var. comatus 51:95; longifolius 51:92, 99; var. villicaulis 51:99; f. **pallens** 52: 59; longulus 55:196; lowrieanus 72: 260, 263; 75:28, 30; lucidulus 51:95; macrophyllus 53:5; 55:45-47, 196; 58:310; 64:113-114, 116; 75:28, 30; var. macrophyllus 72:526; var. velutinus 55:196; 72:526; mirabilis 54: 181; miser 51:90; missouriensis 51: 89-91; var. thyrsoideus 51:90; missuriensis 51:89; multiflorus 51:112; β prostratus 51:96; var. exiguus 51:96; nemoralis 51:100-101; 65:95; 66:414; 72:1, 401, 402 (fig. 1), 405, 407-412, 413 (fig. 4), 414, 418-419, 420 (fig. 5), 421, 422 (fig. 6), 423 (fig. 7), 424 (fig. 8, map), 425-426, 427 (fig. 9), 431-432, 437, 526; 73: 261; 75:1-4, 6 (fig. 2), 7 (fig. 3), 8 (fig. 4), 9, 11-12, 15, 16 (fig. 9), 17-19, 20 (fig. 11), 21-22, 321; f. **albiflorus** 51:99; 71:173; 72:412; var. blakei 72:401, 405, 408; var. major 72:405-406, 408; × acuminatus 75:11, 12 (fig. 6), 13 (fig. 7), 14 (fig. 8), 15, 21; novae-angliae 54:254; 60:61, 66; 72:406; novi-belgii 51:92; 60:70; 65:95; 66:62; 71:523; 75:56; var. novi-belgii 72: 526; oblongifolius 73:300; f. roseoligulatus 57:318; var. oblongifolius f. **albaligulatus** 73:303; occidentalis 74:104; ontarionis 51:90; 55:224; paludosus 71:33; subsp. hemisphericus 62:320; var. **hemisphericus** 62: 320; paniculatus 51:91; pantotrichus 51:89-90; parviceps 72:392; patens 72:40; 75:28, 31; var. **floridanus** 72: 40; pauciflorus 65:226, 230 (fig. 6), 234; pedionomus 52:173; pilosus 60: 143; 71:33; 72:392; 75:26, 28, 31; f. pulchellus 51:119; var. demotus 56:251; poaceus 51:95; polycephalus 52:526; praealtus 51:91-92; var. angustior 51:96; var. subasper 51:96; ptarmicoides 55:41, 196; 59:308; pubentior 51:102-103; 55:196; puniceus 51:95, 99, 112, 231; 55:47, 196; 72:281; 74:104; 75:28, 31; f. albiflorus 51:95, 231-232; 71:173; f. **candidus** 51:95, 232; 59:32; f. **demissus** 51:95; var. albiflorus 51:95, 231-233; var. compactus 60:70; var. demissus 51:95; var. firmus 51:95, 231-232; f. **etiamalbus** 51:232; f. **lucidulus** 51:95; 54:254; var. laevicaulis 51:95; var. lucidulus 51:95, 117; f. albiflorus 51:95, 231-232; × simplex 55:196; radula 53:19; 65:95; var. radula 72:526; var. strictus 72:526; reticulatus 71:33; richardsonii 65:222; sagittifolius 72: 263; 74:394; 75:28, 31; salicifolius 51:92; var. subasper 51:96; shortii 55:156, 324; 57:131; 64:333; subsp. **azureus** 55:324; subsp. shortii 55: 324; sibiricus 65:221; 71:506; simmondsii 72:41; simplex 55:196; 72: 392; 75:26, 28, 31; var. ramosissimus 72:526; simulatus 72:40; sp. 71:27; spectabilis 64:113-114, 116; 65:29, 31, 405; squamatus 70:232, 237; subasper 51:96; subgeminatus 51:97; subintegerrimus 65:221; subulatus 53:2; 57:288; 64:253; 75:57; var. australis 63:342, 344; var. obtusifolius 53:2; sulznerae 72:41; tardiflorus 52:19; f. **vestitus** 51:95; var. vestitus 51:95; tenuifolius 72: 41; var. **aphyllus** 72:40-41; var. tenuifolius 72:41; tradescanti 51:90; 73:261; turbinellus 63:146; umbellatus 51:102; 53:20; 64:346; 66:152; 67:373; 71:33, 523; 72:527; 73:261; 75:29, 31, 321; f. **intercedens** 51: 102; 65:95; var. pubens 51:102; 55: 196; 65:95; 66:152; undulatus 60: 68; 72:260, 262; 75:26, 29, 31; uniflorus 51:100; vimineus 57:318; 60: 70; 72:392; var. subdumosus 57:318

Asteraceae 71:33, 497; 72:38; 74:102; 75:2; trib. Anthemideae 74:110; trib. Astereae 74:104; trib. Eupatorieae 74:103, 273; trib. Helenieae 74:109; trib. Heliantheae 74:108; trib. Senecioneae 74:111, 403; trib. Vernonieae 74:103

Asterandra grandifolia 67:337

Asterella 68:470; **evansii** 68:470, 471 (fig.), 472 (fig.), 473 (fig.); ludwigii 59:26; 60:211, 216-217, 218 (fig. 7, map), 224, 234; macropoda 68:473; saccata 60:211, 230, 231 (fig. 14, map), 233, 249-250; tenella 53:121; 59:26; 60:217; venosa 68: 472-473

Asteridae 70:425

Asterionella 71:465; formosa 64:54;

71:466; var. gracillima 71:466; gracillima 64:54
Asterocystis ramosa 71:130; 74:421, 427-428
Astilbe japonica 63:50, 55
Astomum muehlenbergianum 62:154
Astragalus 51:204; 52:227; 54:158; 59:243; 69:48; 70:492; 72:189; 75:304; sect. Desperati subsect. Naturitensis 72:189; sect. Polares 75:304-305; sect. Vesicularia 75:304-305; alpinus 61:269; 65:218; var. alaskanus 53:158; var. brunetianus 53:9, 16; atlasovi 75:304-305; austrinus 52:169; canadensis 69:49-50; var. carolinianus 69:49; carnosus 58:281, 287-289; 70:29; carolinianus 69:49-50; caryocarpus 57:293; 70:29; ceramicus 74:83; chandonnettii 59:8; **cottamii** 72:189, 190 (fig. 1), 191 (fig. 2); crassicarpus 57:291, 293; 58:281, 287; 70:29; elegans 53:50; eucosmus 53:9; frigidus var. gaspensis 53:13, 16; glaber 69:48-49; gracilis 57:291; 70:30; hallii 56:210; **hamiltoni** 54:159; humistratus 52:169; jesupi 61:269; lindheimeri 52:169; lonchocarpus 54:160; 74:83; lotiflorus 56:211; 74:392; macer 54:160; melanocarpus 70:30; michauxii 69:48-49; missouriensis 70:30; mollissimus 62:116; f. **flavus** 62:116; monumentalis 72:189, 191, 192 (fig. 3), 192, 193 (fig. 4); multijugus 69:48-50; obcordatus 69:49; physodes 70:29; polaris 65:219; 75:304; purshii 74:391; robbinsii 57:302; var. robbinsii 57:308; **spectabilis** 54:160-161; striatus 59:8; f. **chandonnettii** 59:8; tenellus 70:30, 43; tennesseensis 69:384; 75:135-136, 138; thompsoniae 63:180; umbellatus 65:219; villosus 69:49
Astranthium guatemalense 63:122, 126; integrifolium 59:40; 63:122; 65:234; mexicanum 63:122, 126; 65:226-227, 235; orthopodum 65:227, 230 (fig. 7), 234; purpurascens 63:126; 65: 227; sp. 63:123 (fig. 4), 127; xanthocomoides 63:122, 123 (fig. 4), 126; 65:227, 230 (fig. 8), 235; xylopodum 65:227, 230 (fig. 9), 234
Astyposanthes 65:245
Asyneuma prenanthoides 65:330
Asystasia 69:443; gangetica 67:352; 69:443
Atamosco carinata 67:324; rosea 67:324; tubispatha 67:324
Ateleia 70:499, 506-507; albolutescens 70:508, 509 (fig. 2, map), 513; arsenii 70:507-508, 509 (fig. 2, map); cubensis 70:514; gummifera 70:507-508, 509 (fig. 2, map), 514; var. cubensis 70:514; insularis 70:508, 509 (fig. 2, map), 510; multijuga 70:514; parvifolia 70:514; pterocarpa 70:508, 509 (fig. 2, map), 511-514; standleyana 70:508, 509 (fig. 2, map), 510-511; tomentosa 70:507, 509 (fig. 2, map), 513; truncata 70:507, 509 (fig. 2, map), 510; tumida 70:514
Athalamia hyalina 60:211, 230, 232 (fig. 15, map), 234, 247, 249-250
Athamanta chinensis 52:175
Athanasia hastata 75:184, 188
Athenaea 69:83; cernua 69:99
Athrostylidium racemiflorum 68:108
Athyrium 51:7; angustum 55:99; 57:234; f. typicum 55:99; var. elatius 55:99; var. rubellum 55:46; filix-femina 57:234, 239; 58:40; 68:127; 73:105; var. michauxii 55:99; 57:225, 229 (fig. 26), 234, 236; 60:69; 65:87; 72:508; f. elatius 60:69; 72:508; f. laurentianum 60:69; 65:87; f. rubellum 55:99; 72:508; 75:314; pycnocarpon 52:42; 54:166; 57:225, 229 (fig. 28), 234, 237, 239; 73:463-464; thelypteridoides 69:452; thelypterioides 51:109; 52:42; 57:225, 229 (fig. 27), 234, 237, 239; 69:452; 73:462; f. acrostichoides 60:69
Athyrocarpus persicariaefolius 67:323
Atractylis flava 55:308
Atrichum angustatum 53:127; 62:168; crispum 62:169; macmilani 53:127; undulatum 53:122; 58:248; 59:254; 62:169; xanthopelma 53:122, 127
Atriplex 54:127; 69:402; 71:580; arenaria 57:281, 285; 60:300, 304; 71:20, 24, 580; argentea 59:289; 71:580; 72:285; canescens 51:20; glabriuscula 59:6; 60:300, 304; 63:42; 64:345; 65:91; 66:146, 154; 71:520; 72:516; 74:390; 75:317; hastata 51:11; 74:391; heterosperma 73:548; 74:390; hortensis 60:300, 305; 71:580; 73: 548; inflata 73:548, 550; littoralis 69:373; maritima 53:3; oblongifolia 73:548; patula 60:300, 304; 71:580; 75:53; var. hastata 60:300, 304; 63:288; 65:91; 70:443, 448-449, 451; 71:34, 520; 72:516; 73:548, 549 (fig. 1), 550-551, 553; 75:56, 106-108, 109 (fig. 1), 110 (fig. 2), 317; var. littoralis 60:300, 304; 72:516; var. patula 64:345; 65:91; 66:146; 72:516; pentandra 69:373, 402; rosea 60:300, 305; 71:580; sabulosa 53:3; semibaccata 73:548; sibirica 71:580; subspicata 74:

391; truncata 55:236; vesicaria 73: 550
Atropis 54:43
Atroxina liberica 64:104
Audouinella 75:78, 96-97, 529-532, 535, 540, 565, 575, 587-588, 590, 593; **alariae** 75:534, 541, 543-545, 550, 596 (figs. 1-6), 597 (figs. 7-9), 608-609; australis 75:564-565; catenulatum 74:85, 92, 96; crassipes 74: 85-86, 96; **dasyae** 75:534, 545, 547-550, 598 (figs. 10-19), 599 (figs. 20-31), 607; daviesii 75:79, 81-82, 533, 550, 553-556, 563, 582, 585, 591-592, 594, 600 (figs. 32-43), 607; efflorescens 75:557, 584-585, 608; **hallandica** 75:79-80, 82, 83 (figs. 1-4), 85, 97; hermanni 75:535; membranacea 72:117, 200, 205, 231-232, 236, 322, 333; 74:421; 75:566, 608; microfilum 74:85, 89, 92, 96; microscopica 74:85-86, 87 (figs. 1-14), 88-93, 96; 75:79-80, 86, 88, 534, 557, 559, 565, 583, 601 (figs. 46-51), 607-608; **purpurea** 75:530, 534, 536, 539-541, 547, 568, 587, 601 (figs. 52-55), 608; **saviana** 75:534, 560, 562, 584, 591-592, 602 (figs. 56-60), 607, 610; **secundata** 75:575; sp. 63:281; 75:564; **spetsbergense** 75:585, 587, 603 (figs. 61-63), 608; thuretii 75: 79, 81, 88-89, 560, 594-595, 610; **unifila** 75: 534, 563-565, 601 (figs. 44-45), 608
Audouinellaceae 75:531
Auduinella 75:535
Aulacomniaceae 53:124; 62:147, 158
Aulacomnium androgynum 62:158; heterostichum 53:124; 62:158; palustre 53:124; 58:248, 323; 62:158; 70:207; sp. 70:212; turgidum 54:141
Auliza ciliaris 67:326; wilsoni 59:248
Aulomyrcia 69:430; citrifolia 67:342; 69:430; leptoclada 67:342
Aulosira implexa 58:118
Aureolaria subgen. Panctenis 51:84; flava 64:91; var. macrantha 51:84; grandiflora var. pulchra 51:84; pectinata 64:91; pedicularia 64:333; var. austromontana 51:85; var. intercedens 51:85
Aurinia petraea 70:299; saxatilis 70: 299
Avena 68:103, 244; barbata 68:244; fatua 55:122; 63:132; 68:244; 71: 168; mollis 68:449; sativa 71:168; 72:510
Avicennia 69:60, 438; 75:105; germinans 67:350; 69:438; 75:102-105; nitida 57:276, 279, 288; 67:350; 69: 438
Axonopus 68:105, 298; affinis 66:380; 68:300; andinus 68:299, 303; aureus 68:305; barbigerus 68:299, 302; capillaris 68:299, 304; chrysites 68:299, 305; chrysoblepharis 68:299, 304; compressus 68:299, 301; var. macropodius 68:299, 301; elegantulus 68:299, 303; eminens var. bolivianus 68:299, 302; exasperatus 68: 299, 304; fissifolius 68:299, 301; herzogii 68:299, 304; hirsutus 68: 299-300; iridifolius 68:299, 303; marginatus 68:299-300; pilosus 68:298, 302; purpusii 68:299-300; scoparius 68:299, 303; siccus 68:299, 302
Axyris amaranthoides 60:300, 305
Ayenia 69:425; insularis 67:340; 69: 425; pusilla 67:340; 69:425
Azadirachta 69:417; indica 69:391, 417
Azalea austrina 75:396; procumbens 54:53
Azorella selago 75:241

Babingtonia 67:167; pestifera 67:167
Baccharidastrum 70:232-233; 72:95; notobellidiastrum 70:230 (fig. 16), 232, 237; rivulare 72:97; triplinervium 72:97
Baccharis 62:44; 70:232; 72:95, 534; 75:149; angustifolia 57:288; brevifolia 72:98; burchelii 72:98; dioica 57:281, 288; dracunculifolia 72:98; elaeaginoides 72:98; genistelloides 70:237; glomeruliflora 57:277, 288; glutinosa 63:342; 64:263; 65:227; halimifolia 54:130; 57:278-279, 281, 288; 66:159; 71:27; helichrysoides 70:230 (fig. 17), 237; hieracifolia 74:498; hieraciifolia 74:498; ligustrina 72:98; melastomifolia 62:124 (fig. 2), 125; mesoneura 72:98; oxyodonta 70:230 (fig. 18), 237; potosina 74:499; serraefolia 64:263; sp. 72:98; sulcata 74:499; tarchonanthoides 72:98; thesioides 74:499; trinervis 62:125; wrightii 51:20, 28
Bacidia 56:113, 119; sect. Eubacidia 56:119, 121; sect. **Thamnopsis** 56: 112-113, 125; sect. Weitenwebera 56:124; acerina 56:109; beckhausii 56:109; buchanani 56:110, 121, 122 (fig. 5), 123, 152; exaltata 56:110; **fibrosa** 56:128, 152; gomphillacea 56:110, 124 (fig. 6), 152; kuopioensis 56:110; laseroni 56:128-129; marginalis 56:110; obscurata f. substipitata 56:110; ophiospora 56:110; pedicellata 56:121; **robinsonii** 56: 109, 119, 120 (fig. 4), 152; **stipata** 56:126, 127 (fig. 7), 129, 152; trichophora 56:121; vestita 56:121
Bacillariophyceae 71:466; 74:411; 75: 54, 59

Bacopa 64:147; 69:442; acuminata 73: 303; innominata 67:351; monnieri-oides 73:159; monnieri 57:278, 288, (pl. 1217); 64:153, 159 (fig. 39); 67: 351; 69:442; repens 67:351; stricta 67:351
Bactris acanthophylla 67:322; **burretii** 65:259; **dakamana** 65:259; **essequi-boensis** 65:259; **gleasonii** 65:259; microcarpa 65:259; **schultesii** 65: 259; **stahelii** 65:259; **trinitensis** 65: 259
Badiera penaea 67:336; portoricensis 67:336
Baeomyces 56:113; insignis 56:108; placophyllus 56:106; roseus 56:106, 108; 60:76; rufus 56:106; soboensis 56:108
Baeria 66:67; palmeri 66:309
Bahia 66:67, 177, 180 (fig. 40, map), 281; ser. Alternifoliae 66:183 (fig. 41), 186-187; ser. Oppositifoliae 66:183 (fig. 41), 186; absinthifolia 63:128, 66:70, 74, 76 (fig. 18), 77, 80, 83 (figs. 20-29), 84 (figs. 30-38), 181-182, 185, 292-293, 295; var. absinthifolia 66:70, 71 (figs. 1-2), 75, 78, 79 (fig. 19), 80-82, 83 (figs. 20-29), 84 (figs. 30-32), 85 (fig. 39, map), 183, 187, 292-293, 294 (fig. 59, map), 295 (fig. 60), 296; var. dealbata 66:69-70, 71 (figs. 3-5), 73, 75, 78, 79 (fig. 19), 80-82, 83 (figs. 20-29), 84 (figs. 32-38), 85 (fig. 39, map), 183, 187, 293, 294 (fig. 59, map), 296, 298, 299 (fig. 61); achillaeoides 66:307; alternifolia 66:307; ambigua 66:307; ambrosioides 66: 68, 179, 183-184, 186, 188, 208, 210 (fig. 50, map), 211 (fig. 51); angustifolia 66:307; anthemoides 66:307; arachnoidea 66:308; aristata 66:284; artemisiaefolia 66:308; **autumnalis** 66:72 (fig. 11), 73-74, 76 (fig. 18), 77-78, 79 (fig. 19), 80, 181, 183, 186, 189 (fig. 42, map), 199, 201, 202 (fig. 47); bigelovii 66:70, 71 (fig. 6), 74-75, 76 (fig. 18), 77-78, 79 (fig. 19), 80, 181, 183, 186, 213, 214 (fig. 52, map), 215 (fig. 53); biternata 66:183, 186, 190, 193 (fig. 44, map), 201, 204, 205 (fig. 48), 206; chrysanthemoides 66:190; confertiflora 66: 308; var. trifida 66:308; cuneata 66: 308; dealbata 66:293, 298; depauperata 66:308; depressa 66:308; desertorum 66:308; dissecta 66:72 (fig. 12), 73-75, 76 (fig. 18), 77-78, 79 (fig. 19), 80, 179, 181, 183, 186, 190, 193 (fig. 44, map), 194 (fig. 45), 195 (fig. 46), 196; var. anisopappa 66:192, 195 (fig. 46), 196; var. dissecta 66:190; ehrenbergii 66:301, 305; gilliesii 66:308; glandulosa 66:72 (fig. 13), 73-75, 76 (fig. 18), 183, 186-188, 189 (fig. 42, map), 190, 191 (fig. 43), 204; gracilis 66: 308; integrifolia 66:308; lanata 66: 308; var. achillaeoides 66:308; var. brachypoda 66:308; var. grandiflora 66:308; var. tenuifolia 66:308; latifolia 66:308; leucophylla 66:308; multiflora 66:309; neomexicana 66: 177, 309; nepetaefolia 66:309; nudicaulis 66:309; oblongifolia 66:309; oppositifolia 52:39; 66:68, 181, 183, 187, 214 (fig. 52, map), 285, 287, 288 (fig. 57), 291-292; ourolepis 66: 309; palmeri 66:309; parviflora 66: 309; pedata 66:72 (fig. 14), 73-75, 76 (fig. 18), 77, 79 (fig. 19), 80, 183, 186, 188, 189 (fig. 42, map), 190, 201, 204, 206, 207 (fig. 49); pringlei 66:70, 71 (fig. 7), 73-75, 76 (fig. 18), 182-183, 282 (fig. 54, map), 302-303, 305, 306 (fig. 63); resinosa 66:309; rubella 66:309; schaffneri 66:69, 72 (figs. 9-10), 73-75, 76 (fig. 18), 77, 79 (fig. 19), 80, 181, 281-282; var. **aristata** 66:183, 187, 282 (fig. 54, map), 283-284, 286 (fig. 56); var. schaffneri 66:183, 186, 281, 282 (fig. 54, map), 283-284; schkuhrioides 66:309; sinuata 66:309; staechadifolia 66:309; var. californica 66:309; tenuifolia 66:308-309; trifida 66:309; trolliifolia 66:309; wallacei 66:309; woodhousei 52:39; 66:179, 181-183, 187, 214 (fig. 52, map), 287, 290, 291 (fig. 58), 292; xylopoda 63:123 (fig. 18), 128; 66:70, 71 (fig. 8), 73-75, 76 (fig. 18), 182-183, 282 (fig. 54, map), 301-303, 304 (fig. 62), 305, 307
Baileya pleniradiata 63:128
Bainvillea 75:173
Balanophoraceae 61:79; 65:9
Balbiania 75:535
Balboa 51:234; diversifolia 51:234, 381
Balduina 59:129
Baldwinia atropurpurea 66:381; uniflora 66:381; 71:33
Baldwynia cellulosa 56:256
Ballota alba 68:94; foetida 68:93; nigra 68:93-94; subsp. foetida 68: 93-94; subsp. nigra 68:93; var. alba 68:94; var. foetida 68:93; var. nigra 68:93; var. ruderalis 68:93
Balsaminaceae 55:173; 75:319
Bambos vulgaris 67:320
Bambusa bambos 67:320; nipponica 65:134
Bambusina 64:57
Bangia ciliaris 71:131; 72:201-202,

236; 74:421; 75:272; fuscopurpurea 66:220, 225; 71:154; 72:117, 199-200, 202, 231-232, 236, 323, 333; 74:413, 421; 75:272
Bangiaceae 71:131; 72:202; 74:268; 75:272
Bangiales 71:131; 72:202; 73:282
Bangioideae 72:202
Bangiophycidae 71:130; 75:608
Banisteria 70:318, 326; caapi 70:318, 324, 326; laurifolia 67:336; lucida 67:335; purpurea 67:336; 69:416; 70:505; wydleriana 67:336
Banisteriopsis 70:318, 323-324, 326-328, 330; 71:538 (fig. 1); caapi 65: 9-10; 70:318, 319 (fig.), 323-324, 325 (pl.1385), 328, 330; inebrians 65:10; 70:323, 328; lucida 67:335; quitense 70:323; rusbyana 65:11; 70:325, 328
Baptisia 70:531; 75:2, 17; australis 75:159; leucantha 73:493; leucophaea 70:45; minor 57:266; sphaerocarpa 55:160
Barbarea orthoceras 63:48, 52; verna 63:48, 54; vulgaris 51:111; 52:294; 55:154; 63:48, 54; var. arcuata 51: 111; 60:65; 63:48, 54; 72:518; var. brachycarpa 63:48, 55; 72:518
Barbasco 51:246
Barbieria 51:222
Barbilophozia barbata 58:248
Barbosa getuliana 65:260
Barbula agraria 66:15; convoluta 62: 154; fallax 62:170; unguiculata 53: 123; 62:154
Barya parasitica 65:300; var. caespitosa 65:300
Bartonia 70:31; albescens 61:57; aurea 61:57; decapetala 57:290; 58:21, 282, 285; 70:31; iodandra 61:44, 54; var. sabulonensis 61:44, 54; laevicaulis 61:57; lanceolata 61:43, 53; micrantha 61:57; moseri 61:44, 49; multiflora 61:57; nuda 61:57; 70:32; ornata 57:290, 292; 61:57; paniculata 57:315; 60:206, 319; 61:43-49, 51-53; 67:376; 72:15; subsp. **iodandra** 61:46, 51 (map 2), 53-54; subsp. paniculata 61:46, 51 (map 2), 53; var. intermedia 61:44, 54; 72:524, 530; var. iodandra 57:308; 61:44, 54; var. sabulonensis 58:247; 61:44, 54; parviflora 61:57; pollypetala 70:32; polypetala 70:32; pumila 61:57; sinuata 61:57; tenella 61:43-44, 49; 72:15; *β* brachiata 61:53; verna 61: 43-47, 49, 55, 56 (map 3); virginica 61:43-49, 51 (map 1), 52; 72:524; f. abortiva 61:49; wrightii 61:57
Bartramia 51:123; longiseta 53:119; oederi *β* var. alpina 52:74; *β* var. condensata 52:74; pomiformis 53: 124; 62:158; var. crispa 62:158
Bartramiaceae 53:124; 62:147, 158
Bartsia alpina 67:381
Basella 69:405; alba 67:330; 69:405; rubra 67:330; 69:405
Basellaceae 67:330; 69:405
Basicladia 51:232; chelonum 51:232
Basidiomycetes 64:126; 65:290; 68: 176; 71:177
Basiphyllaea angustifolia 58:290
Bassia hirsuta 60:300, 305; 70:443-444
Bastardia 69:424; viscosa 69:424
Bataceae 69:404
Batis 69:404; maritima 57:285; 69:404
Batocydia unguis 67:352; 69:442
Batrachospermaceae 63:281; 72:207
Batrachospermum moniliforme 58: 117; sp. 72:207, 230; vagum 63:281; 64:54
Batschia canescens 70:460; caroliniensis 64:89; decumbens 70:31; fimbriata 70:31; longiflora 70:31, 460
Bauhinia 69:410; sect. Bauhinia 70: 286; coulteri 70:286; f. **albiflora** 70:286; monandra 69:410; purpurea 69:410; rufa 63:18; tomentosa 69: 410
Bazzania denudata 59:253-254; 60:224; nudicaulis 59:253; trilobata 58:248
Beadlea cranichoides 67:325; elata 67:325
Beckmannia erucaeformis 69:452; eruciformis 69:452; syzigachne 59: 31
Becquerelia glomerulata 67:125
Befaria racemosa 66:19
Begonia 70:413; decandra 70:414; spp. 69:428
Begoniaceae 70:414
Behen 72:146; noveboracensis 72:154; praealtum 72:154
Beilschmiedia pendula 67:330
Belamcanda chinensis 53:82, 88
Bellinia 75:333
Bellis perennis 52:53; 63:45; 72:273
Bellucia umbellata 65:18
Benitoa occidentalis 66:63; 67:218, 224
Benthamantha 51:198-199; caribaea 67:333; 69:412; mollis var. macrantha 51:382
Benzoin 51:162; aestivale 51:155; var. pubescens 51:155; 52:168-169; melissaefolium 51:154-155
Berberidaceae 52:294; 62:111
Berberis aquifolium 73:186; repens 73:58; 74:391; thunbergii 62:111, 115; 68:523; 72:517; vulgaris 52: 294; 60:65; 62:111, 115; 68:523
Berchemia scandens 59:258; 70:41

Berlandiera lyrata 64:265; 65:229, 236; subacaulis 57:288; texana var. betonicaefolia 52:39-40; tomentosa 73:496; var. dealbata 53:133
Berlesiella 71:195; echinata 71:194; nigerrima 71:193, 195, 196 (figs. 1-5); parasitica 71:194; setosa 71: 194
Bernardia dichotoma 67:337; fasciculata 56:48-49, 55-56
Berteroa incana 51:110; 63:48, 54; mutabilis 63:48, 55
Bertholletia excelsa 70:135
Bertia moriformis 65:300; parasitica 71:194-195
Beta vulgaris 60:300, 305; 69:402
Betonica alopecurus 71:537
Betula 52:25, 227; sect. Apterocaryon 52:27-28; alba 58:128; 60:65; alleghaniensis 72:280-281, 515; 73:306, 462; borealis 58:128, 131-132, 247; 67:380; 68:412 (fig. 5, map), 415-416; 73:69; ×caerulea 58:128; caerulea-grandis 52:275; 58:128, 131; 69:452; 72:515; caeruleigrandis 69: 452; carpinifolia 52:25; cordifolia 55:45-46, 143-144; exilis 65:216; glandulifera 70:210, 212; glandulosa 52:25-26; 54:222; 58:128, 131-132, 323; 65:216, 312; 67:382; 68:415 (fig. 5, map), 415-416; var. rotundifolia 62:276; var. sibirica 65:215; ×jackii 56:131; lanulosa 52:25; lenta 52:25; 56:129-131; 58:128, 132; 59:256; 60:71; 61:21; 63:65, 67-68; 72:11, 280, 491; 73:248; f. laciniata 58:128; var. uber 56:129-131; lutea 55:48, 143, 173; 56:131; 58:128, 130, 247; 59:257-258; 61:21; 62:92; 63: 65, 67-69, 288; 65:23, 90; 67:92, 373; 72:2, 11, 491, 515; var. macrolepis 58:128, 131; michauxii 52:25-29, 30 (map 1), 31-32, 33 (fig. 1), (pl. 1156); 56:247; 68:414 (fig. 10, map), 416-417; minor 58:128, 131-132; 67:382; nana 52:25-29, 30 (map 1), 31-32, (pl. 1156); 55:295; 65:216; β flabellifolia 52:29; subsp. exilis 65:215; 71:508; var. reducta 52:31; var. michauxii 52:31; nigra 52:25, 275; 58:128, 133-134; 65:77; papyracea 52:25; var. minor 55:295; papyrifera 52:25; var. minor 55: 295; papyrifera 52:25; 54:290; 55: 41, 45-46, 143-144; 58:52, 128, 130-131; 61:21; 63:65, 68; 64:18; 65:156; 67:402; 69:458; 72:12, 280; 73:306; var. commutata 58:128, 131, 247; 63:348; var. cordifolia 55:143; 58: 128, 130-131; 64:100; 65:84, 90; 66: 140, 146; 71:301; 72:515; 75:316; var. macrostachya 58:128, 247; var. papyrifera 65:90; 72:515; var. pensilis 58:128, 131; × cordifolia 55:143; × populifolia 58:128; pendula 58:128; populifolia 52:275, 293; 53:3; 58:128, 132; 59:122; 60:67; 61:122; 63:65; 65:90; 72:515; f. incisifolia 58:128; × papyrifera var. papyrifera 72:515; pumila 52:26; 53:14; 54:222; 56:131; 58:128, 133; 61:26; 68:414 (fig. 11, map), 417; var. glabra 61:24; var. glandulifera 55:44, 83, 144; 63:42; var. renifolia 58:247; × lenta 56:131; ×**rosendahlii** 55:143; ×sandbergii 63:42; terrae-novae 52:26-29
Betulaceae 63:211; 75:316
Bia 69:242, 252
Biancaea sepiaria 67:333
Bidens 69:448; 75:173; acrifolia 74: 499; acuta 74:394; angustissima 63: 122, 123 (fig. 10); var. linifolia 63:124, 127; anthemoides 63:123 (fig. 11), 127; aristosa var. mutica 56:162; beckii 55:198; cernua 51: 112; 55:198; 67:59, 61-62; 71:433; 75:321, 408; var. minima 54:228; × connata 67:61; comosa 71:433; 74:388, 394; connata 60:58; 67:59-62; var. ambiversa 64:23; var. anomala 54:213; 64:23; var. connata 64:23; 67:61; var. fallax 64:23; var. gracilipes 63:145, 289; 64:25-28; 67:59, 62; var. petiolata 64:23; var. pinnata 64:23, 25-26, 28; 67:59, 62; var. **saint-vincentii** 67:60-61; var. submutica 67:61; var. typica 64:23; × cernua 67:62; cordifolia 71:358; cynapiifolia 69:448; var. portoricensis 67:355; var. tenuis 67:355; frondosa 60:58, 68; 63:289; 65:95; 71:33, 523; 72:527; 75:321; f. anomala 72:527; var. pallida 73:261; gardneri 72:98; heterodoxa var. monardaefolia 69:452; var. monardifolia 69:452; hyperborea 53:15; 54: 203; var. gaspensis 53:20; var. laurentiana 53:15; nivea 75:170-171, 184; pilosa 57:279, 281; 60:25; 69: 448; var. radiata 57:288; 60:25, 30; polyglossa 74:499; polylepis 56:228; reptans var. urbanii 67:355; segetum 70:238; tenuisecta 74:84; tripartita 75:408; triplinervia var. macrantha 64:272-273, 275; urbanii 67:355; vulgata 55:224; 74:394; f. puberula 55:198; var. puberula 55: 47, 198
Bifora americana 63:328, 330
Bifrenaria pickiana 61:35-36, 38, 41
Bigelovia 75:509
Bignonia caryophyllea 67:352

Bignoniaceae 52:297; 67:352; 69:442; 73:49
Bihai bihai 67:324
Bilimbia gomphillacea 56:124; milliaria 56:125; sphaeroides 56:109
Billbergia 71:36, 275; subgen. Helicodes 71:275; boliviensis 71:277; cardenasii 71:275, 277; decora 71:275, 277; meyeri 71:275, 276 (fig. 3); microlepis 71:275; velascana 71:275, 277
Binuclearia tatrana 63:276
Bivonea 54:173
Bixa 69:426; orellana 69:426
Bixaceae 69:426
Blainvillea latifolia 72:95; rhomboidea 72:95, 98
Blasia pusilla 58:248
Blechnaceae 71:31
Blechnum 70:2; divergens 67:358; lineatum 67:358; polypodioides 67:357; serrulatum 57:283; 73:206; spicant 52:246; underwoodianum 67:358
Blechum 69:443; blechum 67:352; 69:443; pyramidatum 67:352; 69:443
Blepharostoma trichophyllum 58:248
Blephilia hirsuta 55:188
Bletia purpurea var. **alba** 62:236
Blindia acuta 51:123; 62:153
Blidingia marginata 74:412; minima 71:119, 527; 72:318; 73:275; 74:412; 75:58
Boberella 60:114; 69:84
Bocconia frutescens 75:415
Bocoa sp. 68:430 (fig. 1), 431
Boeberastrum 64:11
Boehmeria cylindrica 51:110; 55:224; 60:13, 206, 295, 297, 302-303; 65:366; var. drummondiana 60:297, 303; drummondiana 60:295; nivea 75:386
Boerhaavia 69:403; coccinea 67:329; 69:403; diffusa 67:329; 69:403; erecta 69:403; paniculata 57:285
Bolbitis aliena 67:358; cladorrhizans 67:358; nicotianaefolia 67:358; pergamentacea 67:358
Bolbocoleon piliferum 71:154
Boltonia asteroides 71:33; diffusa 71:33
Bolusia 51:222
Bombacaceae 67:340; 69:425; 73:49
Bonamia 64:147; 72:32; **abdita** 72:32; aquatica 51:35, 37-38; 72:63; humistrata 64:153, 157 (fig. 34); pickeringii 51:42; 56:274; 64:153, 157 (fig. 35)
Bonnemaisonia hamifera 72:201, 208, 236
Bonnemaisoniaceae 71:132; 72:208; 75:273
Bontia 69:444; daphnoides 66:14; 69:444
Boraginaceae 55:187; 63:211; 66:14; 67:348; 69:395, 437; 72:32; 73:47; 75:320
Borodinia baicalensis 62:261
Borreria 69:444; brachysepala 67:354; laevis 69:444; 72:393; var. sintenisii 67:354; ocimoides 69:444; savannarum 66:14; thymifolia 66:15
Borrichia 53:207; 69:448; arborescens 72:546; frutescens 53:206; 55:58; 57:288, (pl. 1221)
Borya acuminata 60:327; cassinoides 60:327-328; ligustrina 60:327; porulosa 60:327-328
Bostrychia radicans 75:280; f. moniliforme 75:280; rivularis 52:226, 230; 75:280
Bothriochloa intermedia 60:91, 93, 95; ischaemum 60:91, 93-95; pertusa 60:91, 93; 66:273
Botrychium subgen. Sceptridium 57:223; subgen. Eubotrychium 57:226; sect. Lanceolatae 57:227; biternatum 75:366; dissectum 54:223; 55:156; 57:223, 225, 238; 58:274; 63:164-165, 167 (pl. 1260), 168-169, 170 (pl. 1261), 171 (fig. 1), 172-174; f. dissectum 57:221 (fig. 5), 224, 236; 63:165; 72:508; f. obliquum 54:223; 56:157; 57:221 (fig. 6), 224-225, 236; 63:165; 72:508; f. oneidense 57:223; var. obliquum 52:42; 70:485; var. oneidense 52:42; var. typicum 51:147; 52:42; lanceolatum 57:221 (fig. 12), 227; 72:2; subsp. angustisegmentum 57:224, 239; var. angustisegmentum 57:227, 236; lunaria 51:8; 55:94; 57:226, 238; 63:40; 74:389; f. onondagense 55:94; var. onondagense 57:221 (fig. 7), 224, 226, 236, 238; lunarioides 75:366; matricariaefolium 52:41; 54:223; 55:83, 95; 57:221 (fig. 11), 224, 236, 238; 65:76; 69:452; 72:2, 508; var. typicum 52:42; matricariifolium 69:452; minganense 57:220, 222, 226, 238; multifidum 53:19; 55:94; 57:221 (figs. 1-2), 223-225, 236, 238; 63:164-165, 168, 172; var. intermedium 52:41; 55:82, 94; 57:131; 72:508; var. oneidense 57:223; obliquum 58:274; 63:165; oneidense 57:220, 221 (figs. 3-4), 222-226, 236, 238; 63:164-165, 166 (pl. 1259), 168-169, 170 (pl. 1261), 171 (fig. 1), 172-174; onondagense 55:94; pumicola 57:221 (fig. 10), 224, 227, 236, 239; simplex 54:223; 55:94; 57:224, 227, 239; 66:142; f. **laxifolium** 51:103; var. laxifolium 51:103; 55:95;

var. simplex 57:221 (fig. 9), 227, 236; var. tenebrosum 57:221 (fig. 8), 224, 227, 236, 239; 65:87; 66: 142; ternatum 57:223; 63:164-165, 168, 172; var. rufinaeformis 69:452; var. rufiniformis 69:452; virginianum 54:64; 55:95; 56:2; 57:221 (fig. 13), 223, 234, 236, 238; 63:295; 72:4; 73:462; var. europaeum 55: 95; var. intermedium 55:95
Botrydium 64:57
Botryococcus braunii 71:451; protuberans var. minor 71:451-452, 453 (fig. 20)
Botrytis cinerea 73:307-308
Bouchea prismatica var. brevirostra 67:350; var. longirostra 67:349
Bougainvillea 69:403; glabra 69:403; 75:415; peruviana 69:403; spectabilis 69:403
Bourreria 69:437; revoluta 67:348; succulenta 69:437; var. revoluta 67: 348
Boussingaultia baselloides 67:330; leptostachys 67:330; 69:405
Bouteloua 68:105, 286; aristidoides 56:179; 68:287; barbata 52:20; 56: 179; curtipendula 51:19; 56:31; 57: 321; 58:318; 59:127; 62:123; 68: 287; 70:32; eriopoda 51:20; gracilis 51:8, 19; 52:19; 55:362; 56:31, 207; hirsuta 56:207; 57:278, 283; megapotamica 68:287; rigidiseta 52:19-20; simplex 68:104, 287; uniflora 56:30-31
Brachelyma subulatum 53:119, 127; 62:170
Brachiaria 68:107, 298; erucaeformis 56:180; extensa 51:115; 75:372; plantaginea 68:298; platyphylla 60: 11; 75:372
Brachistus pringlei 69:208
Brachyelytrum erectum 63:132; var. erectum 72:511; var. septentrionale 72:511
Brachypodium 68:103, 112; mexicanum 68:112
Brachyramphus 69:448; intybaceus 67:354; 69:448
Brachyris 62:44-45
Brachytheciaceae 62:147, 164
Brachythecium acutum 62:164; campestre 62:164; digastrum 62:164; flagellare 62:164; flexicaule 62:164; novae-angliae 59:26; oxycladon 53: 125; 62:164; plumosum 62:164; populeum 62:164; reflexum 62:164; rivulare 62:164; rutabulum 53:125; 62:164; var. flavescens 62:165; salebrosum 53:125; 58:248; 62:165; starkei 62:165; 72:494; velutinum 62:165
Bradburia 62:62
Bradburya plumieri 67:334; pubescens 67:334; virginiana 67:334; 69:412
Bramia monnieri 67:351; 69:442
Brasenia 71:417, 419-421, 425, 428, 430, 432; schreberi 53:268; 55:149; 62:109, 113; 71:417, 421, 426, 427 (fig. 3), 429 (fig. 4), 432; 73:258, 301; 74:137
Brassavola cucullata 67:326
Brassica 54:183; 69:406; arvensis 52: 128; 55:154; campestris 52:294; 62: 12, 16, 19; 67:331; caulorapa 69: 407; cheiranthos 63:345-346; chinensis 62:19; 69:407; eruca 62:19; erucastrum 63:345; hirta 63:48, 54; 69:373; integrifolia 69:406; juncea 63:48, 54; 71:521; 72:518; var. crispifolia 63:48, 55; kaber 52:127-128; 67:331; var. pinnatifida 55:154; 63: 48, 54; 72:518; var. schkuhriana 63:48, 54; var. **stricta** 52:127; monensis 63:346; napus 62:19; 63:48, 54; nigra 52:127-128; 62:12, 19; 63:48, 54; 72: 518; oleracea 62:19; 63:48, 54; var. capitata 69:407; rapa 63:48, 54; 67:331; 69:407; 72: 518
Brassicaceae 67:331; 69:406
Braxylis 53:232
Braya 54:141; 55:109; 59:291; **aenea** 54:38; alpina 54:38; 55:110; 58:156; var. americana 54:37; americana 54: 37-38; arctica 54:52; **bartlettiana** 54:36, 38; fernaldii 54:37-38; henryae 54:38; humilis 55:109-115; 71: 505; subsp. **arctica** 55:114-115; subsp. **ventosa** 55:111, 114-115; var. leiocarpa 63:48, 53; linearis 55:110-111, 115; longii 72:136; purpurascens 54:49, 52, 54; 55:110; var. dubia 54:52, 283; siliquosa 65:211, 217-218
Brayulinea densa 56:210
Bredemeyera colletioides 60:104; 64: 104
Breweria 51:35, 38; subgen. Stylisma 51:36; angustifolia 51:36, 38, 41, (pl. 1124); 52:266; aquatica 51:35-37, 40, (pls. 1121-1122); 52:266; elliptica 51:37-38; humistrata 51:36, 38, (pl. 1122); 52:267; **michauxii** 51: 37-38, (pl. 1123); 52:268; patens 51: 37, (pl. 1124); pickeringii 51:26, 35-36, 38, 40-42, (pl. 1125); 52:268; 56:274; 73:111; var. **angustifolia** 51:41 (map), 42, (pl. 1125); var. **caesariensis** 51:41 (map), 42, (pls. 1126-1127); var. **cuthbertii** 51:41 (map), 42-43, (pl. 1128); var. **pattersoni** 51:41 (map), 42, (pl. 1129); 56:274; trichosanthes 51:37

Breynia 69:418; nivosa 69:418
Brickellia 55:253, 269, 297, 328; sect. Bulbostylis 55:258, 274, 278, 316, 337; subsect. Amplexicaules 55:259, 274, 280, 316; subsect. Baccharideae 55:260-262, 274, 282, 316, 339; subsect. Brachiatae 55:259, 274, 281, 316, 338; subsect. Clavigera 55:258, 278, 316; subsect. Coleosanthus 55: 262-264, 274, 285, 316, 337; subsect. Microphyllae 55:258, 274, 278, 316, 338; subsect. Parvulae 55:258, 274, 279, 316, 339; subsect. Reticulatae 55:259, 274, 280, 316, 337; sect. Eubrickellia 55:264-266, 274, 287, 316; sect. Leptanthodium 55:258, 274, 277, 316; sect. Macrobrickellia 55: 266, 274, 297, 316, 335; adenocarpa 55:254, 257, 286-287, 299-300, 303, 320, 331, 335, 337, 340; var. adenocarpa 55:303, 316; var. glandulipes 55:264, 274, 303-304, 309, 316, (pls. 1194-1195); amplexicaulis 55:259, 274, 277, 281, 299, 305, 309, 315-316, 334, 337-338, (pl. 1194); argyrolepis 55:257, 264, 269, 271, 274, 286-287, 299, 314, 316, 320, 331, 337,(pls. 1194-1196); baccharidea 55:331; betonicaefolia 55:259, 274, 277, 281, 285, 299, 305, 309, 315-316, 334, 337-338, (pls. 1194, 1196); brachiata 55:311; brachyphylla 52:173; 55:258, 272, 274-275, 279-280, 307, 316-317, 331, 339, (pl. 1194); 56:208; californica 52:173; 55:260, 270, 273-275, 283-286, 297-298, 300, 307, 315-316, 320-321, 330-331, 339-340, (pls. 1194-1196); 56:208; var. tenera 55:283-284; cardiophylla 55:311; cavanillesii 55:335; cordifolia 55:311; coulteri 55:256, 259, 274, 282, 284, 288, 299, 311, 314-316, 338, (pls. 1194-1196); cuspidata 55:259, 274, 280, 311-312, 314, 316-317, 333-334, 338, (pls. 1194, 1196); cylindracea 55:307; cymulifera 55:311; dentata 55:258, 274, 279-280, 299, 307, 312, 316, 339, (pls. 1194, 1196); desertorum 55:260, 274, 284, 298, 315-316, 329, 331, 339, (pl. 1195); diffusa 55:257-258, 270, 272, 274, 277, 297, 299, 306, 311, 316, 318-319, 331-332, 341, (pls. 1194-1196); fendleri 55:331; filipes 55: 318, 331, 341; floribunda 55:264, 274, 286, 298, 304, 309, 314, 316, 321, 329-331, 339-340, (pl. 1194); frutescens 55:309, (pl. 1196); glabrata 55:311; glomerata 54:231; 55:262, 274, 276, 284-286, 300, 302-304, 306, 315-316, 328, 331, 337, (pls. 1194-1195); glutinosa 55: 311-312 (pl. 1196); grandiflora 55:265, 270, 272, 274, 287, 299, 304, 316, 319-320, 331, 333, 335, 338, (pl. 1194); 56:212; 63:331; greenei 55:264, 274, 297-298, 309, 316, 329, 331-332, 339, (pl. 1195); hastata 55: 281, 311; hebecarpa 54:231; 55:303-304, 337; hymenochlaena 55:272, 311, 319, 335; incana 55:265, 274, 288, 297-298, 308, 315-316, 329-332, 338-339, (pls. 1194-1196); kellermanii 54:232; 55:280; laciniata 55:260, 274, 282-283, 286, 298, 307, 314-317, 330-331, 339-340, (pls. 1194, 1196); lanata 55:265, 274, 287, 308-309, 315-317, 333-334, 338, (pls. 1194-1196); var. microdonta 55:333; longifolia 55:337; macromera 55:256, 265, 273, 297, 312, 316; megalodonta 55:311; megaphylla 55:256, 260, 266, 273, 281-282, 311, 316; microphylla 55:258, 269, 274, 276, 278-279, 284, 286-287, 304, 309-310, 316, 328, 338, (pls. 1194-1196); monocephala 55:266-267, 272, 274, 297, 299, 306, 311-312, 314, 316-317, 319-320, 330-331, 335, (pls. 1194, 1196); multiflora 55:337; nevinii 55: 258, 274, 279, 308-309, 316, 338, (pls. 1195-1196); nutans 55:266; nutanticeps 55:263, 266, 271-272, 316, 335; oblongifolia 55:270, 297, 316; var. linifolia 55:264, 273, 297, 336; oliganthes 54:229-232; 55:259, 274, 289, 301-302, 304, 316, 331, 338, (pl. 1194); pacayensis 55:264, 271, 274, 287, 299, 316, 320, 337, (pl. 1195); palmeri 55:304, 306, 311, 315, 337, 340, 343; var. amphothrix 55:261, 274, 285, 316, (pls. 1194, 1196); paniculata 55:262, 274, 287, 302-303, 306, 316, 335, (pls. 1194, 1196); parvula 55:307; pendula 55:263, 271, 300-301, 303-304, 309, 316, 331, 335, (pls. 1195-1196); peninsularis 55:265, 274, 287, 299, 311, 316, 337, (pl. 1194); pulcherrima 55:267, 311, 337; reticulata 54:229-232; 55:259, 280, 300-302, 304, 306, 316, 338, 342, (pls. 1195-1196); robinsoniana 55:267; robinsonii 64:262; rusbyi 55:262, 274, 285-286, 298, 304, 307, 315-316, 321, 329-331, 339-340, (pls. 1194, 1196); scabra 55:258, 274, 279, 306, 309, 316, 338, (pls. 1194, 1196); scoparia 54:231; 55:258, 272, 278, 299-300, 302, 304, 311, 314, 316, (pl. 1195); secundiflora 55:287, 303-304, 306, 335, 340; var. nepetaefolia 55: 263, 305; var. secundiflora 55:263, 274, 287, 303, 316, (pl. 1194); simplex 55:319, 335; solidaginifolia 55: 337; squarrosa 55:331; subsessilis 55:338; tomentella 55:263, 274, 287,

304-305, 316, 335, (pl. 1194); urolepis **55:281; venosa 54:232; 55:259, 274,** 280, 301, 316, 331, 338, (pl. 1194); **verbenacea 54:229, 231-232; 55:259,** 274, 280, 300-302, 316, 338, (pls. 1194-1195); veronicaefolia 55:285, 298, **303-304, 306, 315, 330, 333, 339; var. senilis 55:261, 285, 300, 307, 316,** (pl. 1196); var. umbratilis 55:261, 274, 285, 316, 333, (pl. 1194); var. veronicaefolia **55:261,** 285, 300, 306, 316, 333, (pl. 1196); watsoni 55:309, 338; wislizeni 55:265, 274, 287-288, 299, 309, 314-316, 321, 334, 337-338, (pls. 1194-1196)
Brissonia stipularis 51:382
Brittonamra **51:198**
Briza 68:101, 223; mandoniana 68: 223; var. herzogiana 68:223; var. tuberculata 68:223; var. vallegrandensis 68:223; media 51:109; 53: 266; paleapilifera 68:223; spicigera 68:224; stricta 68:223-224; uniolae 68:224
Brodiaea uniflora 60:13
Bromelia 71:36, 269; balansae 71:270; hieronymii 71:270; serra 71:270
Bromeliaceae 65:7; 67:323; 70:412, 415, 417; 71:31, 35, 220; subfam. Bromelioideae 71:36; subfam. Pitcairnioideae 71:35; subfam. Tillandsioideae 71:35, 232
Bromus 51:6; 52:209; 68:102-103, 110; 71:562; sect. Bromopsis 52:209-210; sect. Ceratochloa 52:212; altissimus 72:345; angustatus 68:111; anomalus 51:21; var. lanatipes 51:20-21; 56:208; arcticus 52:211; arenarius 68:168-169; arvensis 68:170, 173; brizaeformis 60:296; 63:41; 68:170, 173; 69:452; briziformis 69:452; buchtienii 68:111; catharticus 68: 110-111; ciliatus 51:107; 52:212, 214; 59:232; 72:345; subvar. denudatus 52:210; var. coloradensis 52: 211; var. genuinus 55:118; commutatus 53:22; 56:26; 60:65; 63:133; 68:168-169, 171, 173, 515; f. commutatus 68:171, 173, 515; f. **perglaber** 68:515; f. **pubens** 68:171, 173; var. pubens 68:168, 171, 173; dudleyi 51: 106-107; 55:118; 69:31; inermis 52: 209-210; 55:118; 59:231; 63:133; f. aristatus 52:210; f. villosus 52:210; subsp. inermis 52:210-211; subsp. **pumpellianus** 52:211; 65:211; var. **arcticus** 52:211; 65:213; var. **purpurascens** 52:211; var. aristatus 52: 210; inopinatus 52:210; irkutensis 52:209; japonicus 56:180; 59:231; 63:133; 73:105; var. porrectus 56:26; kalmii 51:6; 52:212-214; korotkyi 52:209; lanatus 68:111; latifolius 72: 346; latiglumis 52:212-214; 59:232; 63:133; 68:440; 72:345; f. incanus 59:232; lepidus 68:169-170, 172; 72: 345; f. lasiolepis 68:170, 172; f. lepidus 68:170, 172; f. micromollis 68:172; mandonianus 68:243; marginatus 60:264; 63:40; mollis 68: 168-169, 171; 72:345; f. leiostachys 68:169, 171; f. mollis 68:169, 171; mutabilis var. hirtus 68:172; nottowayanus 51:127; 59:232; 63:21; 72: 345-346; ornans 52:209; pflanzii 68: 111; pitensis 68:111; pratensis 68: 173; pubescens 52:215; 59:232; 72: 339-340, 344-346; f. **glabriflorus** 68: 440; pumpellianus 52:209-211; 65: 213; 70:204; var. arcticus 52:209, 211; var. melicoides 52:211; var. tweedyi 52:211; var. villosissimus 52:209, 211; 65:213; purgans 52:211-214; 59:232; 72:79, 345-346, 350; f. glabriflorus 68:440; f. laevivaginatus 54:211; var. latiglumis 72:346; var. longispicata 52:211; var. purpurascens 52:211; racemosus 63: 133; 68:168, 170, 173; 72:47; richardsonii 52:209; rigidus 56:180; 59: 27, 232; secalinus 56:26; 63:133; 68:169-170, 172, 515; 73:104; var. hirsutus 68:170, 172-173; var. secalinus 68:170, 172; f. **hirtus** 68:170, 172; f. secalinus 68:170, 172; f. submuticus 68:170, 172; segetum 68:110-111; sibiricus 52:209; squarrosus 55:236; 57:266; 63:134; 72: 345; 74:389; sterilis 59:232; tectorum 55:17; 70:442; 71:22; var. glabratus 55:18; thominii 68:168, 170-171; f. hirsutus 68:170-171; f. thominii 68:170-171; trinii 55:236; 68:110-111; unioloides 68:111; villosus 59:232; vogulicus 52:209
Brotherella delicatula 62:166; recurvans 62:166; tenuirostris 74:524
Broussonetia 70:521; papyrifera 58: 129; secundiflora 70:521, 528
Bruchia flexuosa 62:152; sullivanti 62:152
Brugmansia arborea 67:351; suaveolens 67:351
Brunfelsia 69:394, 440; americana 69: 440; udulata 69:440
Brunnichia 56:256; 64:147; cirrhosa 51:21; 64:150, 155 (fig. 8)
Bryaceae 53:124; 62:147, 156
Bryanthus taxiflorus 55:295
Bryhnia graminicolor 53:125; 62:165; novae-angliae 62:165
Bryinae 53:122
Bryoerythrophyllum recurvirostre 62: 154

Bryophyllum pinnatum 69:408; 71:441
Bryopsidaceae 75: 267
Bryopsis hypnoides 75:267; plumosa 73:276; 74:412, 480; 75:267
Bryoxiphium norvegicum 74:524
Bryum affine 64:124; angustirete 62: 156; argenteum 53:124; 62:156; var. lanatum 62:156; bicolor 53:118, 124; bimum 62:156; caespiticium 62:156; capillare 62:156; creberrimum 62: 156; cuspidatum 62:156; 64:124; cyclophyllum 72:500; longii 72:136; muhlenbeckii 61:22; pallens 58:248; 72:494; pendulum 59:26; 62:156; pseudotriquetrum 53:124; 62:156; turbinatum 62:170
Buchenavia 69:430; capitata 69:430
Buchloë dactyloides 51:19, 25; 52:19; 56:207; 60:259-260; 64:355; 68:36
Buchnera 64:147; americana 54:178; 64:153; elongata 69:376; floridana 52:269; 54:177-178; 57:288; 66:379; 71:33; longifolia 69:376
Bucida 69:430; buceras 69:430
Buckleya distichophylla 64:332
Buddleia cordata 62:177 (fig. 1), 181, 184; 63:343; lindleyana 60:21
Buellia 57:323; gyrosa 57:324; microphylla 57:323-324; moriopsis 56: 156; pyxinoides 57:323; trachyspora 57:324
Bulbochaete elatior 63:276; insignis 63:276; minor 58:118; mirabilis 63: 276; repanda 64:54; scobiculata 63: 276; 64:54; setigera 63:276; sp. 63: 276
Bulbophyllaria pachyrrachis 67:327
Bulbophyllum 59:242; pachyrrachis 67:327
Bulbostylis 54:229; 67:110; boliviana 67:114; capillaris 65:26, 31; 67:111, 113; 74:294; 75:378; var. crebra 65:26, 30; var. tenuifolia 67:113; coarctatus 52:257; floridana 54:170; funckii 67:110; hirtella 67:111, 113; junciformis 67:111, 114; juncoides 67:111-112; var. ampliceps 67:111-112; papillosa 67:111, 113; paradoxa 67:111; pauciflora 67:321; reticulata 54:230; sphaerocephala 67:111-112; var. macrocephala 67:112; sphaerolepis 67:112; tenuifolia 67: 113
Bumelia 69:433; 72:25; angustifolia 57:277, 287; 72:25-26; celastrina 72: 26; var. **angustifolia** 72:26; var. celastrina 72:25-26; confertiflora 70:31; crenulata 53:235; krugii 67: 345; lacuum 65:280, 281 (pl. 1288), 281; lanuginosa var. oblongifolia 70:31; lycioides 51:139; oblongifolia 70:31; obovata 69:433; var. krugii 67:345; salicifolia 73:206; tenax 65: 280, 282
Bumilleria sicula 64:54
Bunchosia 69:416; 70:322; glandulosa 69:416
Bunias erucago 62:293; orientalis 62: 19, 293
Bupleurum americanum 65:219; triradiatum 65:219; subsp. arcticum 65: 219
Burmannia capitata 64:88
Burmanniaceae 67:324-325
Bursera 70:246; inaguensis 66:6; simaruba 57:278, 286; 67:336; 69: 417
Burseraceae 67:336; 69:417
Butomaceae 52:227
Butomus 51:386-387; umbellatus 51: 385, 387, 388 (map); 52:227; 61:24; 70:171; 72:164; f. vallisneriifolius 51:387
Buxaceae 67:338
Buxbaumia aphylla 53:117, 123; 62: 168; indusiata 59:25; subcylindrica 59:26; 62:168
Buxbaumiaceae 53:123; 62:147, 168
Buxus laevigata 67:338; portoricensis 67:338; vahlii 67:338
Byrsonima 69:416; 70:321; coriacea var. spicata 69:416; cuneata 67:336; horneana 67:336; lucida 67:336; ophiticola 67:336; spicata 67:336; 69:416; wadsworthii 67:336
Byssosphaeria barbicincta 65:305-306
Byssus 75:535; purpurea 75:536

Cabomba 71:417; caroliniana 60:116, 321; 61:248; 62:109, 115; 73:302
Cabombaceae 67:330
Cacabus 69:83-84, 100; hondurensis 69:84; mexicanus 69:82, 100-101, 227
Cacalia 72:146; acaulis 72:148; atriplicifolia 62:202 (pl. 1254); 67:55-56; × muhlenbergii 67:55, [57 (figs. 1-2)]; diversifolia 75:409; floridana 62:202 (pl. 1254); graminifolia 66: 383, 396; lanceolata 71:34; muhlenbergii 67:55-56; noveboracensis 72: 154; peltata 64:276; sinuata 64:269; 65:231; suaveolens 67:55-56; tuberosa 67:55-56, 57 (fig. 3); 75:136; tussilaginoides 64:269
Cacara erosa 67:335
Caconapea stricta 67:351
Cactaceae 67:341; 69:428; 70:410; 75: 419
Cactus ferox 57:290; 70:33; flagelliformis 70:33; fragilis 57:290; 70: 34, 431; intortus 67:341; 69:428; mamillaris 70:33; viviparus 57:290-291; 58:286; 70:33, 431

Caesalpinia 69:410; bonduc 57:285; 67:333; 69:373, 410; coriaria 67:333; crista 57:285; 67:333; 69:373, 410; culebrae 67:333; decapetala 67:333; divergens 67:333; 75:416; ferrea 63:18; major 69:373; melanosperma 67:333; 69:410; ovalifolia 66:12; portoricensis 67:333; pulcherrima 67:333; 69:410; reticulata 66:6; spinosa 63:18
Caesalpiniaceae 62:236; 69:395, 410; 70:493
Cajan cajan 67:334; 69:412
Cajanus 69:412; cajan 67:334; 69:412; 73:48
Cakile 69:407; 72:370-373, 378; americana 72:373; californica 72:370-371, 373-379, 382-383; edentula 63:48, 53, 288; 65:91; 71:20, 25, 521; 72:370-371, 373, 375, 378-379, 518; 75:56, 318; subsp. californica 72:370-371, 376, 379-381; var. californica 72:370, 377-379; var. lacustris 57:114; fusiformis 57:281, 285, (pl. 1221); lanceolata 62:12-13, 19; 69:407; maritima 72:370-371, 373, 375-383
Caladium bicolor 67:323; colocasia 67:323; sagittaefolium 74:516; speciosum 56:256; virginicum 74:516
Calamagrostis 68:98, 246; amoena 68:246, 249; antoniana 68:247, 254; beyrichiana 68:256; boliviensis 68:249; brevifolia 68:247, 253; calderillensis 68:246, 248; canadensis 51:8; 53:19; 55:14, 43; 58:52; 64:345; 65:312; 66:144, 154; 70:210; 71:519; 73:255; var. canadensis 72:511; 75:315; var. langsdorfi 55:124; var. macouniana 54:124; var. robusta 55:124; 64:345; 65:88; 66:144; var. scabra 55:124; 65:88; 66:144; var. typica 55:124; cephalantha 68:247, 252; chrysantha 68:246, 250; cinnoides 51:57; cryptolopha 68:246, 251; curta 68:247, 252; curvula 68:246, 252; densiflora 68:247, 257; elegans 68:248; eminens 68:246, 248; var. sordida 68:248; var. tunariensis 68:248; epigejos var. georgica 65:74; fiebrigii 68:247, 254; filifolia 68:249; glacialis 68:247, 251; heterophylla 68:247, 249; humboldtiana 68:255; inexpansa 57:114; 70:204; var. brevior 53:18; 55:124; insperata 56:43; 57:310; intermedia 68:246, 255; jamesonii 68:247, 251; koelerioides 52:52; leiophylla 68:247-248; lilloi 68:257; longiaristata 68:246, 256; mcvaughii 63:341, 344; minima 68:247, 255; montevidensis 68:257; var. linearis 68:256; neglecta 53:266; 70:204-205, 208; 71:504; orbignyana 68:247, 255; ovata 68:246, 250; pentapogonoides 68:250; pflanzii 68:250; pickeringii 71:168; polygama 68:246, 257; porteri 56:43; pringlei 62:185; 63:341; purpurascens 55:52-53, 81, 124; recta 68:247, 256; rigescens 68:246, 249; rosea 66:277; var. macrochaeta 68:253; scopulorum 52:52; 55:237; spicigera 68:246, 258; tarijensis 68:246, 254; tarmensis 68:247, 253; toluccensis var. laxiflora 68:248; trichophylla 68:247, 256; variegata 68:252, 444; vicunarum 68:247, 250; violacea 68:247, 253; viridiflavescens 68:246, 257
Calamintha alpina 57:76; arvensis 57:76; cretica 57:76; glabella 57:73; var. angustifolia 57:73; grandiflora 57:75; montana 57:76; nepeta 57:75-76; officinalis 57:73, 75-76; parviflora 57:76; trichotoma 57:75
Calamovilfa 72:72-73, 75; sect. Calamovilfa 72:75-76; sect. Interior 72:75; **arcuata** 72:72, 74 (fig. 1), 75-77, 78 (fig. 2), 79; brevipilis 72:73, 75-77; curtissii 72:73, 75-77; gigantea 72:73; longifolia 57:113; 72:73; var. magna 62:199; 68:437
Calandrinia caulescens var. menziesii 62:115
Calanthe mexicana 59:246-247, 249 (fig.); var. lanceolata 59:246
Calathea acuminata 65:9
Calea 70:233; 75:173; angustifolia 66:307; aspera 75:171, 192; integrifolia 64:257, 268; multipega 70:238; nelsonii 64:268; palmeri 65:229, 236-237; pinnatifida 70:238; scabra 65:229, 230 (fig. 20), 236-237; serrata 72:98; sp. 64:273 (fig. 2); trichotoma 64:258, 268, 272; 65:236
Calendula americana 74:511-512; decumbens 74:21, 206; officinalis 71:174
Calepina corvini 59:278; irregularis 59:278; f. major 59:279
Calia 70:521-522; erythrosperma 70:521, 528
Calla palustris 52:293; 53:79, 85; 54:226; 55:47, 136; 58:322; 61:276, 281, 283 (map 2); 63:42; 72:513
Calladium sagittaefolium 74:510; virginicum 74:516
Calliandra 69:409; 70:492; **biflora** 56:132; caracasana 67:331; 69:409; haematostoma 67:331; purpurea 67:331
Calliblepharis ciliata 72:325
Callicarpa americana 55:238-239; 67:

394, 396 (fig. 8, map); 73:496; 75: 420
Calliergon cordifolium 62:162; giganteum 64:124; richardsoni 54:157; stramineum 62:170; 70:207; 72:494
Calliergonella cuspidata 62:163; schreberi 62:166
Callirhoë 58:100; 75:148; digitata 58:100; var. stipulata 58:101; f. alba 58:101; involucrata 58:100, 102; 60:41, 43; var. involucrata 58: 101; var. lineariloba 58:100-101; lineariloba 51:25; 58:100
Callistosporium luteoolivaceum 68:176 (pl. 1331), 178; psilocybe 68:176
Callithamnion (see Callithamnium)
Callithamnium 75:535, 565-566; baileyi 72:221, 232-233, 236; 74:421; 75: 276; byssoides 75:276; corymbosum 72:201, 221, 236; 74:421; 75:276; daviesii 75:81, 550, 555, 577; var. secundatum 75:94, 575; efflorescens 75:584; entozoicum 75:569, 589-590; luxurians 75:94, 96, 575, 579; membranaceum 75:566; microscopicum 75:86, 557; purpureum 75:536; roseum 72:221; rothii 75:537; savianum 75:560-561, 563; secundatum 75:94, 575; tetragonum 72:222; virgatulum 75:94, 96, 545, 550, 576, 581
Callitrichaceae 55:171; 75:319
Callitriche 53:137, 161, 185, 209; 54: 286-287; 69:173; 70:552; 71:513; sect. Callitriche 53:143; sect. Eucallitriche 53:143; sect. **Microcallitriche** 53:142; sect. Pseudocallitriche 53: 143; **albomarginata** 53:145, 171, 173 (map 11), 222, (pl. 1173); anceps 53: 146, 148, 181, 186-188, 189 (map 16), 190, 192, 220-221, (pls. 1169, 1174); antartica 53:145, 148-149, 166, 167 (map 9), (pls. 1169, 1171); asagraei 53:174, 179; austini 53:138, 150, 153-154; autumnalis 53:138, 143, 153, 178, 185, 215, 217-218; var. bicarpellaris 53:219; berteroiana 53: 192-193; berteroana 53:192; bifida 53:215; bolanderi 53:177; 179, 194; brevifolia 53:178-179; deflexa 53: 142, 144, 147-150, 153-154, 164, (pls. 1169-1170); α brauniana 53:149-150; β austini 53:149-150, 154, 175, 181; β glaziovii 53:149; var. austini 53:151; var. deflexa 53:147 (map 2), 149, 222; var. glaziovii 53:150; var. **subsessilis** 53:147, 149-150, 152 (map 2a), 154, 164, 221-222, (pl. 1170); drummondii 53:162-163; hamulata 53:146, 178 (map 15), 185, 190, 192, 219, (pl. 1174); hermaphroditica 53:138-140, 143, 146, 153, 214-215, 216 (map 24), 217-218, 220-221, (pl. 1775); heterophylla 51: 111; 53:138, 146, 148, 153-155, 168, 172, 177-179, 181, 186, 189-192, 210, 220-221, (pls. 1167-1168), 1173; 55: 237; 71:516-517, 522; var. **bolanderi** 53:154, 161, 174, 177, 178 (map 13a), 179-180, 186, 200, (pls. 1167, 1173); var. heterophylla 53:174, 176 (map 13), 177, 180-181, 186, 220,(pl. 1173); heteropoda 53:145, 172, 173 (map 12), 186, 222, (pl. 1173); intermedia 53:185; **lechleri** 53:146, 148, 191-193, (pl. 1174); var. **berteroana** 53: 192, 193 (map 18a), 194, 222, (pl. 1174); var. lechleri 53:192, 193 (map 18), 222, (pl. 1174); linearis 53:178-179; longipedunculata 53:146, 154-155, 161, 168, 209, 210 (map 21), 214, 220, (pls. 1167, 1175); marginata 53:144, 148-149, 152 (map 4), 154-155, 161, 193, 210, 220, (pls. 1169-1170); α torreyana 53:154; β berteroana 53:192-194; γ lechleri 53: 148, 191-192, 194; mexicana 53:163; microcarpa 53:166; **nubigena** 53:146, 173 (map 17), 191-192, 222, (pl. 1174); nuttallii 53:144, 149, 151, 154, 161, 164, 165 (map 6), 166, 221, (pl. 1171); **oblongicarpa** 53:146, 192, 193 (map 20), 194, 222, (pl. 1174); occidentalis 53:144, 149, 165 (map 8), 166, (pl. 1171); palustris 53:138, 143, 166, 168, 194, 218; 55:47, 171; 65:77; var. bifida 53:215, 217; pedunculata 53:153, 161; pedunculosa 53:161; peploides 53:144, 149, 162, 221, (pl. 1171); var. **media** 53:149, 164, 165 (map 7), 221, (pl. 1171); var. peploides 53:149, 163-164, 165 (map 7), 221, (pl. 1171); var. **semialata** 53:149, 163-164, 165 (map 7), 221, (pl. 1171); platycarpa 53:212; **quindiensis** 53:146, 173 (map 14), 185-186, 222, (pl. 1173); rimata 53: 193; **rimosa** 53:146, 210 (map 22), 211, 214, 222, (pl. 1175); sepulta 53: 144, 148-149, 161, 165 (map 5), 220, (pls. 1169-1170); stagnalis 53:138, 146, 211, 213 (map 23), 214, 219-220, (pl. 1175); α vulgaris 53:213; f. caespitosa 53:212-214; f. heterophylla 53:213-214; f. spathulata 53: 213, 215; f. stagnalis 53:212-213; f. submersa 53:213, 215; f. terrestris 53:213-214; f. vulgaris 53:213; var. serpyllifolia 53:214; stenocarpa 53:168, 210; terrestris 53:138, 144, 149-150, 152 (map 3), 153-154, 162, 178, 181, 219, 221, (pl. 1170); 60:18, 30; 74:383; **trochlearis** 53:146, 192, 194, 210 (map 19), 220, (pl. 1174);

tuerckheimii 53:174, 179; turfosa 53:138, 144, 147 (map 1), 148-149, 193-194, 221, (pls. 1169-1170); verna 53:138, 143, 145, 153, 166, 168, 169 (map 10), 170, 178, 181, 190, 194, 210, 218, 220, (pls. 1167, 1172); 65: 77; 71:505; 73:258; 75:319; β intermedia 53:153
Calluna vulgaris 57:337
Calochortus 61:272; madrensis 74:351; nuttallii 70:37; pudica 63:42; venustulus 74:350-351; var. imbricus 74:350-351; var. madrensis 74:351; var. venustulus 74:350-351
Calocylindrus 64:57
Caloglossa leprieurii 75:279
Calonectria belonospora 65:308; cerea 65:307; fulvida 65:307
Caloneis silicula var. inflata 64:54
Calonyction aculeatum 57:281, 287; 67:347; tuba 57:281, 287; 67:347; 69:436
Calophyllum 69:426; antillanum 67: 341; 69:426; brasiliense 69:426; calaba 67:340
Caloplaca elegans 54:277
Calopogon pallidus 71:32; pulchellus 53:82, 84; 55:295; 65:273; 67:376; 68:460; 70:197-198; 71:32; 72: 514; tuberosus 68:460; 75:316
Calopogonium mucunoides 67:335; orthocarpum 67:335
Calosphaeria 71:199
Calosphaeriaceae 71:199-200
Calothrix 55:105; confervicola 71:117; 73:268; 74:484; 75:292; crustacea 71:117; 73:268; 74:476, 478, 485-487; 75:292; epiphytica 63:281; parietina 58:117-118; pulvinata 75: 293; scopulorum 60:284; 66:218, 224-225, 228; 71:154; stagnalis 67: 252; stellaris 64:54
Calotropis 69:435; procera 69:435
Caltha natans 53:158; 55:151; 56:39; palustris 52:294; 55:151; 56:248; 58:322; 62:110, 113, 330; 65:216; var. arctica 65:216
Calusia 70:505; emarginata 70:506
Calycanthaceae 62:111
Calycanthus fertilis 62:111, 116; floridus 72:55; var. laevigatus 72:55-56
Calycera balsamitaefolia 57:72
Calycium 62:64
Calymenia angustifolia 57:291; 70:33; nyctaginea 70:32; pilosa 57:290; 70:33
Calymperaceae 53:123
Calypogeia fissa 59:253, 255-256; meylanii 59:255; 72:494; muelleriana 59:255-256; neesiana 58:248; 59:255; portoricense 59:256; suecica 59:255; sullivantii 59:253, 256; trichomanis 58:248
Calypso 53:7; 62:141; bulbosa 52:44; 53:82, 86; 55:76, 142; 62:141; 73:105
Calyptocarpus blepharolepis 58:275, 277-278; tampicanus 58:275, 278; vialis 58:275, 277
Calyptracordia alba 67:348
Calyptranthes 69:430; cardiophylla 60:324; clarendonensis 60:323-324; dumetorum 67:343; kiaerskovii 69: 394, 430; luquillensis 67:343; maxonii 60:324; pallens 67:343; peduncularis 67:343; triflorum 67:343
Calyptrocarya 67:125; fragifera 67: 125; glomerulata 67:125
Calyptrogyne occidentalis 67:322; 69: 372; rivalis 69:372
Calyptronoma rivalis 67:322; 69:372
Calyptropsidium sintenisii 69:375
Calystegia 51:193; catesbeiana 51:70-72; hederacea 51:74; japonica 51: 73; pubescens 51:73-74; sepium 51: 71; var. japonica 51:73; var. pubescens 51:70-72; spithamaea 51:71; subvolubilis 51:73
Camassia angusta 66:16-17; esculenta 58:287; 70:44-45; quamash 58:287; 70:45; scilloides 66:17; 70:45; f. variegata 51:116
Camelina microcarpa 63:48, 54; sativa 51:111; 63:48, 54
Campanula 51:303; 63:29; 65:319; acuminata 65:329; americana 55: 224; 65:325, 327, 329, 331, 333-334; 67:394, 395 (fig. 2, map); 71:303; angustiflora 65:322, 329, 334-335; aparinoides 54:259; 55:19; 56:251; 57:309; 65:326, 329, 333-335; 73: 260; 75:254; aurita 65:324, 329, 333-335; californica 65:326, 329, 334-335; chamissonis 65:323, 329-330, 332, 334-335; dasyantha 65:329, 332; divaricata 63:29; 65:321, 327, 329, 333-334; 71:303; exigua 65:322, 329, 334-335; flexuosa 65:329; floridana 65:326, 329, 331, 334-335; glomerata 56:39; 65:328-329; heterodoxa 65:331; intercedens 65:331; langsdorffiana 65:330; lasiocarpa 55:247, 252; 65:323, 329, 332, 334-335; subsp. lasiocarpa 71:506; latisepala 65:331; linifolia 65:331; linnaeifolia 65:329; macdougalii 65: 331; pallasiana 65:332; parryi 65: 325, 330-335; var. idahoensis 65: 330, 332; petiolata 65:331; pilosa 65:329, 332; piperi 65:323, 330, 332, 334-335; prenanthoides 65:326-327, 330, 332, 334-335; ranunculoides 52: 297; 55:194; 65:329, 332; 72:526; rentonae 51:302; 65:332; reverchoni

65:322; 331, 334-335; robinsiae 61: 186; 65:322, 331, 334-335; rotundifolia 55:41, 46, 194; 57:113, 302; 61:123; 65:94, 286, 319, 325-326, 328, 331-335; 67:92; 70:179, 181, 210; 72:526; f. albiflora 65:94; var. alaskana 65:331; var. intercedens 55:194; × latisepala 65:331; sacajaweana 65:331; scabrella 65:323, 330, 332, 334-335; scheuchzeri 65: 331; scouleri 65:325, 327, 332, 334-335; trachelium 65:328, 332; uliginosa 55:195; 65:329; uniflora 65: 221, 323-324, 332-334; wilkinsiana 65:324, 332, 334-335
Campanulaceae 52:297; 55:194; 63: 212; 64:147, 156; 66:15; 67:354; 69: 447; 71:33
Campanulastrum americanum 65:329
Campsis chinensis 70:67; radicans 63: 289; 70:67
Camptosema coriaceum 71:550; tomentosum 63:17 (fig. 1), 18
Camptosorus rhizophyllus 54:166; 57: 235, 237; × Asplenium 56:6
Camptothecium lutescens 62:170; nitens 58:322; 62:165; var. falcifolium 54:158; nuttallii 52:73
Campylium chrysophyllum 62:163; hispidulum 53:125; 62:163; polygamum 62:163; radicale 62:163; stellatum 62:163
Campylocentrum fasciola 67:327; sullivani 67:327
Campylostelium saxicola 62:158
Camutia perfoliata 74:195
Cananga blainii 67:330; caribaea 67: 330
Canavali 67:335; maritima 69:412; rusiosperma 67:335
Canavalia 69:412; brasiliensis 67:335; ensiformis 67:335; gladiata 67:335; maritima 69:412; nitida 67:335; obtusifolia 57:285
Candelaria concolor 60:81; var. effusa 60:81
Candolleodendron 68:429, 430 (fig. 1), 431; **brachystachyum** 68:429, 430 (fig. 1)
Canna 75:385; flaccida 75:385
Cannabinaceae 60:297
Cannabis sativa 53:225; 60:297, 304
Cannaceae 51:208
Cantharellus cibarius 64:127; cinnabarinus 64:129; friesii 64:129; minor 64:127, 128 (pl. 1268), 129; morgani 64:129; olidus 64:129; rosellus 64: 129
Capitularia gracilis γ Capitularis macroceras 54:267
Capnodiaceae 71:196
Capparaceae 67:331; 69:395, 407
Capparidaceae 56:65; 63:47, 51; 67: 331; 68:41; 72:534
Capparis 69:407; baducca 69:407; cynophallophora 57:277, 285; 69:407; flexuosa 69:407; indica 69:407; portoricensis 69:407
Capraria 69:442; biflora 57:279, 288; 69:442; 73:48, 50
Caprifoliaceae 52:297; 55:192; 63:212; 69:446; 71:33, 514; 75:120, 321; trib. Diervilleae 75:120-121; trib. Linnaeeae 75:120-121; trib. Lonicereae 75:120-121; trib. Triosteae 75:121; trib. Viburneae 75:120-121
Capriola dactylon 67:319
Capsella bursa-pastoris 52:294; 55: 154; 60:65; 63:48, 54; 64:345; 69: 463; 71:521; 72:518; 75:318; var. bifida 63:48, 55; rubella 53:22; 63: 48, 55; 65:91; 66:142
Capsicum 69:440; frutescens 69:440
Capsosiphon fulvescens 58:118; 71: 118; 72:317, 331; 73:269-270; 74: 481, 484
Caragana arborescens 63:43; 74:392
Cardamine 69:463; 71:552; bellidifolia 52:178; 54:54; 55:250; 63:48, 52; bulbosa 63:48, 53; 64:150; 75:388; digitata 54:260; 65:217; douglassii 54:172; 55:226; 63:48, 53; 69:460, 463-464; 75:388; flexuosa 51:111; 63:48, 53; gambelii 62:15; hirsuta 63:48, 55; hyperborea 54:260; impatiens 63:48, 55; longii 63:48, 53; 72:136; microphylla 71:505; parviflora var. arenicola 55:154; 57:302, 307; 63:48, 52; 72:347, 518; f. gracillima 55:154; pensylvanica 51:111; 53:20; 55:154, 224; 63:48, 51; 64: 231; 72:518; 73:258; var. brittoniana 63:48, 52; var. gracilis 55:154; pratensis 63:48, 54; 75:160; f. plena 63:48; var. palustris 63:48, 53; rhomboidea var. purpurea 69:463; richardsonii 54:260; 65:217; tuberosa 69:464
Cardaria 54:183; draba 59:29; 63:48, 55; pubescens 59:29
Cardenanthus 64:291, 298; boliviensis 64:299-300; longitubus 64:299-300; orurensis 64:299; peruvianus 64:299, 301; shepardae 64:299, 301; tunariensis 64:299, 302; vargasii 64:299, 303; venturii 64:299, 302
Cardiospermum 69:422; corindum 69: 422; halicacabum 57:286; 59:127; 69:422; var. microcarpum 67:338; microcarpum 66:13; 67:338
Carduaceae 67:354
Carduus 51:33; acanthoides 59:6; acuatus 65:349; austrinus 71:294-295; floccosus 65:349; kelseyi 65:

344; lanceolatus 71:34; lecontei 66: 381; 71:34; megacephalus 54:30; nebraskensis 54:32, 34-35; plattensis 54:32, 34; var. spinosior 54:32, 34; smallii 72:45; spinosissimus 71:34; undulatus 54:30; 70:431; var. megacephalus 54:30; vittatus 72:45
Carelia 72:95
Carex 52:227; 53:33, 41, 44; 53:62; 54:246; 55:47; 58:51, 318; 61: 272; 65:26, 29; 67:134; 68:450; 69: 306, 451; 70:208, 212, 221; 71:105, 507, 562; 72:565; 74:321, 322 (fig. 15); 75:248, 380-381; sect. Acutae 68:451; sect. Carex 68:451; sect. Multiflorae 67:198; sect. Ovales 59:33; sect. Phyllostachyae 56:21; sect. Triquetrae 75:381; sect. Vesicariae 58:51, 69; abdita 53:14; 55:132; 56:246; 57:311; 58: 322, 324; 64:168, 174, 357; 68:453; ablata 70:420; aboriginum 70:420; abscondita 64:168, 176; 65:76; 75: 251; acuta 68:451; 74:324; acutiformis 64:168, 179; adelostoma 61: 32; adusta 55:129; 64:169, 177; 72: 512; aenea 55:129-130; 56:231; 63: 41; 64:169, 174; 72:512; **f. extrapolata** 55:130; f. **flumini-regalis** 55: 130-131; aestivalis 64:169, 176; 75: 251, 253; aggregata 52:258; alata 55:15; 57:156; 64:169, 176; 75:251, 253; albolutescens 64:169, 176; 75: 250, 254; albursina 64:169, 176; 75: 250, 253; alopecoidea 64:169,176; 74:390; amblyorhyncha 58:322; amphibola 56:158; 75:250; var. rigida 64:169, 176; var. turgida 59:8; 64: 169, 176; **amplisquama** 57:156; anceps 51:110; angustior 51:110; 55: 128; 64:169, 173; 65:89; 66:144; 67:361; 72:512; annectens 60:67; 64:169, 175; 67:198-199; 75:250; var. xanthocarpa 64:169, 175; aquatilis 55:133; 56:227; 58:52, 64; 65: 214; 70:205, 207, 210, 212; var. altior 55:133; 57:319; 64:169, 177; arcta 64:169, 174; arctata 55:134; 64:169, 174; 72:513; arenaria 52: 258; 75:252; argyrantha 55:129; 64:169, 175; 72:512; 75:250, 253; artitecta 62:240; 64:169, 175; 72: 513; 75:250; var. subtilirostris 64: 169, 177; atherodes 54:252; 63:20; 64:169, 177; 73:105; athrostachya 53:157; atlantica 64:169, 175; 67: 361-362; 72:512; 75:250; var. **incomperta** 67:362; atrata 70:421; atratiformis 53:14, 267; 54:225, 246, 248 (fig. 1, map), 249; 57:303, 306; 64:169, 174; 65:338; 68:413 (fig. 9, map), 417; 70:182, 184; atrofusca 65:211, 214; 67:382; aurea 53:9; 55: 133; 64:169, 177; 70:210; austrina 62:239; 63:20; austro-caroliniana 75:380; backii 53:12; 55:53, 81, 131; 56:22; 64:169, 174; baileyi 64:169, 176; 75:251, 254; barrattii 64:169, 177; 75:251, 253; bayardi 72:136; bebbii 53:5; 64:169, 177; 68:451; bicknellii 64:169, 176; bicolor 67: 381; bigelowii 64:169, 175; 67:380; 74:367, 370, 372-375; 75:156; biltmoreana 75:249, 252-253; bipartita var. amphigena 53:9; 54:203; blanda 52:55; 62:240; 64:169, 175; 72:340, 346; 75:250; boliviensis 67:134, 137; bonplandii 67:134-135; brachyglossa 57:321; brevior 51:110; 57:156; 59:34-35; 64:169, 175; 75:249-250, 253; bromoides 54:170; 56:246; 64: 169, 174; 75:250, 254; brunnea 64: 169, 179; brunnescens 55:128; 64: 169, 175, 343, 345; 65:338; 67:402; 75:249, 253; var. brunnescens 65: 338; var. sphaerostachya 64:169, 174; 65:89, 338; 71:520; 72:512; 75: 315; bullata 64:169, 176; 74:323; 75:251, 253; bushii 64:169, 176; 69: 378; 75:250, 253; buxbaumii 53:5; 55:133; 57:312; 62:142; 64:169, 174; 74:390; 75:249, 254, 255 (fig. 1, map); f. dilutior 57:312; f. heterostachya 57:312; camposii 74:323; canescens 53:157; 55:127; 64:169, 174; 66:154; 74:323; 75:249, 254; var. canescens 64:345; 65:89; 66: 144; 71:519; 72:47; var. disjuncta 53:19; 64:169, 173; 65:89; 66:144; 72:512; 75:315; var. loliacea 55:128; var. subloliacea 55:47, 128; 58:52; 64;169, 173; 65:89; 66:144; 72:512; 75:315; capillaris 64:169, 175; 67: 382; 68:412 (fig. 4, map), 415-416; 74:390; var. capillaris 57:306; var. major 53:9, 267; 54:225; 57:306; 64:169, 176; 68:412 (fig. 4, map), 416; 70:180; capitata 64:169, 175; 67:379, 381; 75:155; careyana 75: 250, 253; caroliniana 54:251; 63:20; 75:250; caryophyllea 64:169, 179; castanea 54:225; 55:134; 64:169, 176; 67:373; cephalantha 51:110; 55:47, 128; 58:246; 64:169, 173; 65: 89; 67:361; 72:512; 75:315; cephaloidea 64:169, 177; cephalophora 51:110; 60:70; 64:169, 175; 75:250; chalciolepis 70:421; chapmanii 54: 171; 75:249, 252-253; cherokeensis 75:249, 251, 253; chordorrhiza 53: 17, 33; 58:52, 59; 64:169, 177; 67: 379, 381; cladostachya var. maxima 67:134-135; collinsii 64:169, 177; 75:251, 253; communis 53:10, 19;

55:131; 57:157; 64:169, 174; 52:512; 75:250, 253, 380; **f. gynandra** 68:451; var. gynandra 68:451; var. wheeleri 57:157; comosa 51:110; 57:306; 59: 263; 64:170, 175; 71:23; 75:250, 253; complanata 54:251; 73:111; 74:322 (fig. 4), 323, 327; 75:250; concinna 53:7; 70:210; conjuncta 75:250, 253; conoidea 54:163, 225; 64:170, 174; 72:513; 75:316; convoluta 57:302; 64:170, 174; 72:2, 7; ×copulata 64:170, 177; crawei 64: 170, 176; 75:381; crawfordii 53:10; 55:47, 128; 64:170, 175; 72:16; crebriflora 75:251; crinita 55:133; 64:170, 173; 67:343; 73:256; 74:326; 75:250; var. brevicrinis 64:170, 177; var. crinita 65:89; 66:145; 71:520; var. gynandra 64:170, 173; 66:145; var. minor 64:170, 174; var. porteri 64:170, 177-178; var. simulans 64: 170, 174; cristatella 54:171; 64:170, 176; 75:250, 253; crus-corvi 75:251, 253; cryptolepis 55:134; cumulata 64:170, 175; 72:512; cusickii 58:279; dasycarpa 75:381; davisii 64:170, 176; 74:390; ×deamii 60:174; debilis 57:312, 319; 63:20; 64:170, 177-178; 67:373, 402; 75:250; var. interjecta 64:170, 177-178; var. rudgei 51:110; 53:5; 64:170, 173; 65:89; 72:340, 513; 74:321, 322 (fig. 10), 323; var. strictior 64:170, 177-178; decidua var. brehmeri 67:134, 136; decomposita 51:117; 55:15; 59:127; 63:20; 75:251, 253; deflexa 54:225; 55:53, 81, 132; 64:170, 175; 71:299-300, 302; 72:513; var. deanei 53:33; demissa 64:170, 174; deweyana 51: 110; 53:11; 55:128; 64:170, 174; 65: 76; 72:512; diandra 53:157; 62:142; 64:170, 177; var. ramosa 53:267; digitalis 63:20; 64:170, 175; 75:250; var. macropoda 57:312; disperma 55:46, 127; 64:170, 174; 65:89; 73: 105; distans 53:92; divisa 54:171; 75:252; eburnea 52:53; 64:170, 176; 75:250, 253; echinata 66:144; var. cephalantha 51:110; var. microstachys 51:110; elachycarpa 64:170, 176; 74:329; eleocharis 60:115; 64: 355; emmonsii 62:239; 63:21; 64: 170, 175, 357; 65:77, 89; 66:144; 67:402; 71:299-300; 72:340, 513; 74: 321, 322 (figs. 7-8), 323; 75:250, 253; epapillosa 70:421; exilis 51: 110; 52:259; 64:170, 177-178; 72:8, 512; extensa 53:92; 75:249, 252; fecunda 67:134, 137; festucacea 59: 34; 64:170, 176; 75:250; filifolia 52:55; 64:118-119; filiformis 55:134; var. latifolia 51:110; fissa 67:198-199; var. **aristata** 67:198-199; var. fissa 67:199; flacca 74:324; flaccosperma 56:158; 75:251; var. glaucodea 64:170, 176; flava 53:10; 64: 170, 174; 72:513; 73:105; 74:324; var. fertilis 55:134; 64:170, 174; var. gaspensis 53:10, 16; 64:170, 176; foenea 52:259; 55:129; 63:41; 64:170, 175; var. **tuberculata** 70: 419; folliculata 64:170, 175; 67:376, 402; 72:513; 75:250, 254; formosa 64:170, 176; frankii 75:250; fraseri 74:323; ×**fulleri** 58:319 (fig. 1), 320; garberi 63:41; var. bifaria 53:16; 64:170, 176; gigantea 75:251, 253; glareosa 54:203; glaucescens 71:31; 75:251, 253; goodenoughii 62:261; goodenowii var. stolonifera 67:136; gracilescens 64:170, 176; 75:250; gracillima 53:9, 20; 55:134; 64:170, 174; 67:373; 74:390; 75:251; granularis 56:159; 64:170, 176; 75: 250; var. haleana 64:170, 177; grayii 51:167; 59:127; 64:170, 176; 75:251, 253; var. hispidula 59:126; 64:170, 177-178; grisea 59:8; 75:250; gynocrates 53:50; 64:170, 174; haleana 56:159, 228; 63:41; halleri 55:133; hallii 63:41; ×hartii 64:170, 177-178; hartmani 61:32; haydenii 64: 170, 174; heleonastes 58:322; heteroneura 58:279-280; 70:421; var. **brevisquama** 70:421; var. **chalciolepis** 70:421; var. **epapillosa** 70:421; hirsutella 60:318; 64:170, 176; hirta 64:170, 179; 74:324; hirtifolia 64: 170, 177; hitchcockiana 64:170, 176; 75:251, 253; hormathodes 53:14; 64: 170, 177, 345; 65:89; 71:520, 564; 72:512; 75:315; f. invisa 72:512; × straminea 64:170; houghtoniana 55: 47, 133; 68:451; houghtonii 55:133; 64:171, 174; 67:374, 386, 389; 68: 451-452; 72:513; howei 64:171, 175; 67:361; 75:250, 253; hyalinolepis 75: 251, 253; hymenocarpa 58:68; hystericina 68:452; hystricina 53:5, 10, 267; 55:135; 64:171, 174; 68:452; 74:149; 75:250, 253; f. dudleyi 59:7; illota 58:280; incomperta 64:171, 175; 67:361-362; inflata var. utriculata 55:135; interior 64:171, 174; 67:361; 75:250, 253; intumescens 51:167; 59:127; 64:171, 173; 65:23; 67:373, 402; 70:179; 72:339, 347; 73:51-52; 75:250, 252; var. fernaldii 55:135; 64:171, 175; 65:89; 72:513; 73:51-52; var. intumescens 73:51; jacobi-peteri 71:505-506; 72:488; jamesii 56:22; 71:303; 75:250, 254; jamesonii var. subfulva 67:134, 137; joori 52:259; 53:130; 54:171; 75:251,

253; josselynii 53:8; 64:171, 176; katahdinensis 54:163-164; 64:171, 175; kelloggii 58:280; ×knieskernii 64:171, 177-178; kobomugi 75:252; krausei subsp. krausei 65:214; lacustris 64:171, 174; 67:377; 74:390; laeviconica 54:252; 58:318, 320; × pensylvanica 58:320; laevirostris 58: 65, 68; laevivaginata 64:171, 175; 75:250; lagopodioides 68:451; lanuginosa 51:110; 64:171, 177; 68:452; lasiocarpa 74:390; 75:249, 254, 255 (fig. 1, map); var. americana 53:19; 55:134; 58:322; 64:171, 173; var. latifolia 68:452; **latebracteata** 56:23; 72:503; laxiculmis 64:171, 175; 72:2; 75:251; laxiflora 52:55; 60:318; 64: 171, 175; 72:2, 9, 513; 75:250; var. blanda 72:9; var. serrulata 60:318; leavenworthii 75:250; lenticularis 55:133; 64:171, 174; var. albi-montana 64:171, 175; var. blakei 64:171, 174; lepidocarpa 53:6; leporina 64: 171, 179; leporinella 58:279-280; leptalea 54:254; 55:131; 58:246, 322; 64:171, 173; 65:89; 72:512; 75:250, 254, 316; subsp. harperi 68:452; var. harperi 68:452; leptonervia 55:134; 64:171, 174; 72:9, 513; 75:251, 253; leptopoda 58:278; limnophila 58:279-280; limosa 53: 160; 55:133; 58:59, 322; 64:171. 173-174; 65:89; 70:206; 74:390; livida 55:134; 71:505-506; var. grayana 53:6, 15, 267; 64:171, 177-178; 68: 452; var. radicaulis 68:452; var. rufinaeformis 69:452; var. rufiniformis 69:452; longii 62:338-339; 64:171, 176; 71:23; 72:136; louisianica 54:171; 59:126; 75:251, 253; lugens 65:211, 214; lupuliformis 64: 171, 176; 75:250, 253; lupulina 64: 171, 175; 73:51; 75:250; var. pedunculata 64:171, 175; lurida 60:206; 64:171, 175; 71:31; 72:513; 73:256; 75:249-250; var. gracilis 53:267; luzulina 70:420; var. **ablata** 70:420; mackenziei 54:202; 57:306; 64:171, 177; 65:89; 72:512; macloviana 61: 32; magellanica 58:52; mainensis 64:171, 175; mandoniana 67:135; maritima 54:202; 70:206, 209, 211; meadii 58:318; media 53:157; 55: 53-54, 133; var. steveni 55:133; melanostachya 74:379; membranacea 58:55-56, 60; 65:214; × rotundata 58:69; merritt-fernaldii 51:10; 55:128; 64:171, 175; mesochorea 64:171, 177-178; michauxiana 55: 135; 64:171, 174; 70:206-208; microchaeta 55:248-249; microdonta 75:381; microglochin 67:379, 381; 74:322 (fig. 14), 329-330; microptera 58:279-280; var. **crassinervia** 70: 420; miliaris 58:279; misandra 54: 278; 71:508; f. flavida 54:278; f. ochrolochin 54:278; mitchelliana 64:171, 176; mohrii 67:361; molesta 59:33-36; 63:41; 64-171, 177-178; monile 51:110; muhlenbergii 51:10; 58:318; 64:171, 175; 75:250; var. enervis 64:171, 175; multicostata 72:497; muricata 67:361; 75:249, 253; muskingumensis 59:126; nebularum 67:134; nesophila 55:249; 71: 508; neurophora 58:280; nigra 64: 171, 177; var. niga 65:89; 66:145; 72:513; var. strictiformis 64:171, 177; 65:89; 66:145; 72:513; nigricans 72:500; nigromarginata 64:171, 176, 357; 75:250; var. floridana 52: 259; normalis 58:318; 59:34-35; 60: 70; 64:171, 175; 75:251; norvegica 54:202; 55:133; novae-angliae 58: 246; 64:171, 175; 72:513; 75:316; obesa var. minor 55:81, 131; obtusata 52:55; oederi 74:324; var. pumila 55:134; oedipostyla 74:328; oligocarpa 59:127; 64:171, 176; 75: 250, 254; oligosperma 52:47; 58: 247, 322; 64:171, 175; 70:206; 73: 256; ×olneyi 64:171, 177-178; ormantha 67:361; ormostachya 55: 82, 134; 64:171, 175; 72:513; oronensis 64:171, 177-178; ovata 54: 249; oxylepis 56:159; 59:126; 63:20; 75:251, 253; var. pubescens 62:239-240; paleacea 64:171, 177, 345; 65: 89; 71:520; 72:513; 75:316; var. erectiuscula 72:513; pallescens 51: 110; 74:322 (figs. 6, 9), 323-325; 75:249, 253; var. glaberrima 74:325; var. neogaea 51:110; 53:20; 56:39, 41; 58:246; 60:70; 64:171, 173; 71: 300; 72:513; 74:325; 75:316; **paludivagans** 58:53-54, 56, 57 (fig. 1), 58, 60 (fig. 2), 63-66, 68-69; panicea 64:171, 179; 72:513; parryana 63: 41; 70:420-421; var. **brevisquama** 70:420-421; pauciflora 55:135; 64: 171, 175; 65:89; 70:206; 72:513; paupercula 55:133; 58:322; 64:171, 174; 70:207; var. irrigua 64:171, 174; 65:89; 72:513; 75:316; var. pallens 55:47, 133; 64:172, 175; peckii 55:132; 63:41; 64:172, 174; pedunculata 55:133; 57:306; 64:172, 174; 75:249, 253; pensylvanica 57: 157; 58:318, 320; 60:70; 64:18, 172, 175; 74:321, 323; 75:249; f. androgyna 68:451; var. digyna 60:115; var. distans 64:172, 175; phaeocephala 72:498; phalaroides 67:134, 138; var. moesta 67:138; phyllo-

manica 67:361; physocarpa 58:56, 68-69, 279; 65:214; physorhyncha 62:239; 63:20; 64:357; 75:250; pichinchensis 67:134, 136; var. obtusisquamea 67:137; picta 60:175; pinetorum 67:134-135; plantaginea 53:267; 64:172, 177; 73:462; 75:167, 251, 253; platyphylla 64:172, 175; 75:251; podocarpa 55:248; polymorpha 64:172, 176; 75:249, 251, 253; potosina 70:419; praeceptorum 58:279; praegracilis 60:115; 64:355; prairea 53:267; 63:41; 64:172, 177; 72:8; prasina 64:172, 175; 75:251, 254; pratensis 55:131; praticola 53:12; 55:53, 131; 64:172, 177-178; projecta 53:5; 55:128; 61:294-295; 62:338; 64:172, 174; pseudo-cyperus 62:172, 175; 74:324; var. americana 51:110; ×pseudo-helvola 64:172, 177-178; pyrenaica subsp. micropoda 71:505; radiata 64:172, 175; 72:8; ramenskii 71:508; rariflora 51:8; 53:19; 64:172, 175; 65:214; 67:382; 71:508; **raymondii** 54:246, 248 (fig. 1, map), 249; reniformis 75:251, 253; retroflexa 56:159; 64:172, 176; 75:250; retrorsa 55:135; 64:172, 175; var. robinsonii 55:135; rhynchophysa 58:65-66, 68; richardsonii 63:41; 64:172, 177-178; rigida 62:261; rosea 53:10; 56:159; 57:302, 306; 64:172, 177; 72:8, 281; 75:250; var. texensis 56:159; rossii 55:82, 132; rostrata 58:51-53, 55-56, 57 (fig. 1), 58-59, 60 (fig. 2), 63-66, 68-69, 71, 322; 64:172-173; 70:206; 72:513; 73:256; 75:249, 253; var. ambigens 64:172, 177-178; var. rostrata 65:89; 66:145; var. utriculata 55:48, 135; 64:172-173; 65:89; 66:145; 73:256; ×membranacea 58:69; ×rotundata 58:51, 53, 68; rotundata 58:51-53, 55-56, 57 (fig. 1), 58-59, 60 (fig. 2), 64-66, 68-69; rugosperma 55:132; var. **tonsa** 68:453; rupestris 64:118-119; 67:381; rusbyi 70:419; ruthii 67:361; salina 58:246; 75:56; var. kattegatensis 64:172, 177; × stricta 64:172, 177-178; saltuensis 55:134; saxatilis 58:56, 68-69; var. miliaris 64:172, 175; var. rhomalea 64:172, 175; saximontana 56:22-23; scabrata 64:172, 174; 72:2, 8; 75:251, 254; schweinitzii 64:172, 176; scirpoidea 53:7; 56:246; 64:172, 174; 65:214; 67:382; 68:411 (fig. 3, map), 416; scoparia 55:54, 128; 60:70; 64:172, 175, 345; 65:89; 68:451; 71:520; 74:321, 322 (fig. 5), 323; 75:250; var. scoparia 72:512; var. tesselata 64:172, 177-178; seorsa 64:172, 176; 72:339, 346; 75:251, 254; ×setacea 64:172, 177-178; shortiana 60:174; 75:251, 253; siccata 51:110; silicea 53:19; 64:172, 177, 343, 345; 71:520; sp. 72:79, 499; sparganioides 54:171; 57:321; 64:172, 177; 75:250, 254; spicata 54:225; 60:65; 64:172, 179; 75:252; sprengelii 58:318; 64:172, 177; 74:326; squarrosa 60:174; 63:146; 64:172, 176; 74:148; 75:251; stans 65:214; stenochlaena 70:106; stenophylla 60:115; var. enervis 60:115; 64:355; stenoptila 58:280; sterilis 64:172, 177-178; 67:361; stipata 55:127; 58:279; 64:172-173; 65:89; 72:512; 74:390; 75:250, 315; var. oklahomensis 63:146; straminea 51:110; 54:252; 55:15; 64:172, 176; var. brevior 51:110; straminiformis 72:497; striatula 56:159; 62:240; 63:20; 64:172, 176; 75:250; stricta 52:293; 55:133; 64:172-173; 75:250; var. stricta 72:513; var. strictior 57:312; 64:172, 174; styloflexa 63:20; 64:172; 71:31; 75:250; stylosa 71:505; suberecta 75:251, 253; subfusca 72:498; substricta 55:133; 58:280; 63:42; supina 55:53, 81, 131; swanii 51:110; 57:319; 60:70; 63:20; 64:172, 175; 72:340; 74:321; 75:251, 254; tenax 75:381; tenera 51:110; 59:34; 60:70; 64:172-174; 72:512; 75:251; var. echinodes 64:172, 177-178; tenuiflora 53:10, 50; 55:44, 127; 58:52; 64:172, 174; terrae-novae 67:381; tetanica 64:172, 176; 75:249, 251, 253; texensis 63:20; tincta 59:34; 64:172, 175; tolmiei 58:280; tonsa 54:225; 55:132; 64:172, 175; 74:322 (fig. 3), 323; torreyi 63:42; torta 56:227; 57:319; 63:20; 64:173-174; 75:251, 254; tribuloides 55:128; 61:294-295; 62:338; 64:173-174; 75:250, 315; var. bebbii 68:451; ×trichina 64:173, 177-178; trichocarpa 51:120; 54:252, 254, 259; 64:173, 176; 75:249, 251, 253; trisperma 55:127; 56:273; 64:173; 65:89; 67:402; 70:207; 75:251, 253, 315; var. billingsii 64:173; 72:512; var. trisperma 72:512; tuckermanii 56:246; 57:306; 64:173, 177; 71:564; **turgida** 59:8; typhina 60:174; 64:173, 176; 75:250, 253; umbellata 51:110; 55:132; 56:246; 57:311; 64:173, 175, 357; 72:513; 75:250, 253; var. tonsa 68:453; vaginata 53:7, 50; 55:47, 134; 64:173, 176; 73:105; vahlii var. inferalpina 55:133; var. typica 55:133; validior 75:381; vallicola 55:237; 70:419; var. **rusbyi** 70:419; varia 71:564; venusta 75:251, 253;

verrucosa 54:172; vesicaria 55:135; 64:173-174; 74:390; var. distenta 64: 173, 177-178; var. jejuna 64:173-174; var. monile 51:110; 64:173-174; var. raeana 64:173-174; vestita 64: 173, 175; 72:8; 75:251, 253; **vexans** 57:156; 62:338-339; virescens 51: 110; 60:206; 64:173, 175; 75:251, 254; viridula 53:20; 55:134; 64:173, 177-178; 65:89; 72:513; 75:316; vulpinoidea 64:173; 75:250; walteriana 75:251, 253; var. brevis 64:173, 176; wiegandii 64:173-174; 67:361; willdenowii 56:22; 64:173, 177-178; 74:325; 75:250, 254; woodii 64:173, 177-178; 75:249, 251, 253; xerantica 55:46, 53, 81, 129
Carica 69:427, 451; papaya 57:287; 69:391, 427
Caricaceae 69:427
Carimgola 75:427-428
Carimgolo 75:427, 431
Carissa macrocarpa 67:346
Carlina 51:33-34; **vulgaris** 51:33-34, pl. 1120
Carphephorus 70:474-477, 480-482; bellidifolius 60:121; 64:92; 70:477-478, 483; **carnosus** 60:120-121; 70: 477-479, 483; corymbosus 58:276; 60:118, 121; 70:431, 477-478, 483; **odoratissimus** 70:483; **paniculatus** 70:483; pseudo-liatris 60:118, 121; 66:380; 70:474, 477-479, 483; 71: 34; tomentosus 60:121; 64:92; 70: 477-478, 481, 483
Carpinus caroliniana 63:65; 69:458; 71:198; var. virginiana 58:128, 132
Carpolobia lutea 64:104
Carterothamnus 69:45-46; 72:100, 103-104; **anomalochaeta** 69:43 (fig. 11, map), 44-46, 47 (pl. 1341)
Carum carvi 55:47, 178; 57:320; 64: 346; 65:93; 67:196; 71:522; 72:522; 75:319
Carya 51:46, 150; 52:275; 75:36; alba 52:189; 75:38; aquatica 52:189, 195; borealis 51:89; buckleyi 52:189, 196; 69:331; var. arkansana f. glabra 62:130; cordiformis 52:189-190, 195; 58:127, 133; 73:491; 75:34, 36, 38, 41 (map 2), 48 (map 6); glabra 51:86, 88, 150-152; 52:188, 190-195; 58:127, 132; 60:67; 72:2; 73:491; 75:34, 36-37, 44, 46, 47 (map 4), 49 (map 8); var. hirsuta 52:189, 192, 194-195, 197-198; var. megacarpa 52:198; var. odorata 75:34; var. villosa 52:189, 197; illinoensis 52:189, 195; 63:296; illinoinensis 63:296; illinoisensis 63:296; laciniosa 52: 190, 195, 198; microcarpa 51:89; 52:188-189; odorata 52:192; var. villosa 52:192; ovalis 51:85-86, 88-89, 150-152; 52:188-189, 191-195; 58: 127, 132; 60:206; 66:312; 72:2; 75: 34, 36-37, 42, 44, 46, 47 (map 4), 49 (map 8); var. borealis 51:89; var. hirsuta 52:195; 58:127; var. mollis 52:189, 194, 197-198; var. obcordata 51:152; 52:198; 58:127; var. obovalis 51:150, 152; 52:198; 58:127; var. odorata 51:87-88, 152; 52:198; var. typica 52:197; ovata 51:86, 88-89; 52:160, 189, 191, 195, 197; 54: 132, 134; 58:127, 132; 59:8; 65:77; 70:452; 75:34, 36, 40, 42, 45 (map 3), 49 (map 7); f. **ellipsoidalis** 62: 130; f. **fraxinifolia** 62:130; f. **nuttallii** 62:130; var. **borealis** 51:89; 52:197; var. complanata 52:197; var. ellipsoidalis 52:197; 62:130; var. fraxinifolia 52:197; 62:130; var. nuttallii 51:89; 52:197; 58:127; 59:7-8; 62:130; var. pubescens 52: 197; 58:127; pallida 52:189, 193, 195, 197; 69:54; 73:491; texana 52:189, 196; 60:206; var. texana f. **glabra** 62:130; var. villosa 52:189; tomentosa 52:189, 193-195, 199; 54:132; 58:127, 133; 60:67, 206; 63:348; 72: 2; 73:491, 500, 503, 505; 75:34, 37, 39 (map 1), 48 (map 5); var. ficoides 52:199
Caryocar 70:335; gracile 65:14; 70: 335
Caryocaraceae 65:14
Caryophyllaceae 52:233, 294; 55:147; 62:108, 112; 63:211; 67:330; 71:515; 75:243, 317; subfam. Silenoideae 52: 233-234
Caryophyllidae 70:425, 427
Caryota sp. 70:414
Casearia 69:427; bicolor 67:341; decandra 69:427; guianensis 69:427; sylvestris 69:427
Cashalia cuscatlanica 70:515, 517
Caspareopsis monandra 69:410
Cassandra 67:410; calyculata 62:262; 65:93; var. angustifolia 72:523; 75: 320
Cassia 69:410; aeschynomene 67:332; alata 67:332; 69:410; antillana 67: 332; 69:410; bacillaris 69:410; bicapsularis 51:207; 67:331; 69:410; corymbosa 52:180-182; deeringiana 75:390; diffusa 67:332; diphylla 67: 332; emarginata 67:331; **enneryana** 62:236; **exunguis** 67:333; **fasciculata** 73:493; 75:136; fistula 69:410; **fitchiana** 62:236; **froidensis** 62:236; fruticosa 67:332; glandulosa var. swartzii 67:332; 69:410; grammica 67:332; grandis 69:411; granulata 67:332; **haitiensis** 62:236; hirsuta

67:332; inaguensis 66:6; javanica 67:332; laevigata 67:332; **leonardae** 62:236; mirabilis 67:332; multijuga 51:207; nictitans 57:267; 66:379; 73: 493, 504, 506; 75:158; nodosa 67: 332; obovata 67:332; obtusifolia 67: 332; 69:411; occidentalis 67:332; 69:411; patellaria 67:332; peragua 52:182; polyphylla 67:332; portoricensis 67:332; roemeriana 52:20; rotundifolia 67:333; stahlii 67:332; tora 51:21; 57:285
Cassine 69:421; corymbosum 52:180; ramulosa 53:278; xylocarpa 67:338; 69:421
Cassiope 59:291; ericoides 62:262; hypnoides 55:295; 67:380; mertensiana 70:110; tetragona 54:40, 55, 283; 55:248, 251; 62:262; 65:220; 70:103, 105, 108-110
Cassipourea alba 67:343; guianensis 67:343
Cassytha 69:406; filiformis 57:279, 285; 69:406
Cassythaceae 67:330
Castalia amazonum 67:330; ampla 67: 330; 69:405; jamesoniana 67:330; 69:373; odorata 67:330; pulchella 67:330; rudgeana 67:330; zanzibarensis 69:405
Castanea crenata 73:213; dentata 54: 64; 58:128, 132; 60:71; 62:194; 63: 65; 71:561; 72:12, 280; pumila 58: 128, 130
Castela erecta 67:336
Castelaria nicholsoni 67:336
Castilleja coccinea f. lutescens 56:41; indivisa 52:39; pallida 65:221; subsp. caudata 53:159; 65:221; subsp. mexiae 55:251; subsp. pallida 65:221; subsp. typica 65:221; parviflora var. oreopola 72:499; purpurea f. **corallina** 56:161; f. purpurea 56:161; septentrionalis 53:9; 55:77, 189; 67:381
Casuarina 69:400; cunninghamiana 57:276, 285; equisetifolia 57:276, 279, 281, 285; 69:394, 400; 73:48
Casuarinaceae 69:400; 73:48
Catabrosa aquatica var. laurentiana 53:15
Catalpa bignonioides 52:297; 60:65; 65:75; longissima 67:352; speciosa 65:75
Catharanthus 69:434; roseus 69:434
Cathartolinum bahamense 70:440; bracei 70:440; corallicola 70:440; lignosum 70:440
Catillaria 56:108, 112-114; sect. Biatorina 56:114; sect. Biatorina 56: 114; sect. **Hypocaulon** 56:112-113, 116, 151; columnatula 56:110, 114, 115 (fig. 2), 152; **corymbosa** 56:116, 117 (fig. 3), 119, 152
Catillariales 56:108
Catopsis floribunda 67:323; gracilis 71:223; nutans 67:323
Caulophyllum thalictroides 55:156; 62:111, 113; 73:462
Cayaponia 69:446; americana 69:446; racemosa 69:446
Ceanothus americanus 55:174; 70: 452; 71:32; 73:494, 501, 508, 510, 512, 514; fendleri 73:375; microphyllus 56:256; 66:379; ovatus 55: 225
Cecropia 69:401; peltata 69:393, 401
Cedrela 69:417; discolor 74:125; mexicana 69:374, 417; oaxacensis 74: 124-126; odorata 69:374, 417; 75: 417; poblensis 74:126; salvadorensis 74:124, 126; saxatilis 74:126; tonduzii 74:124, 126
Cedrus 68:516; atlantica 68:517 (pl. 1337); libanensis 54:68
Ceiba 69:425; pentandra 65:366; 69: 425; 73:49
Celastraceae 52:295; 55:172; 67:338; 69:421; 75:418
Celastrus orbiculatus 56:228; 72:344, 521; var. papillosus 73:213; scandens 52:295; 55:172; 60:68
Celosia 69:403; argentea 69:403; var. cristata 60:301, 305; cristata 69: 403; nitida 69:403
Celtis 69:400; iguanaea 67:327; 69: 400; occidentalis 58:129, 133; 62: 200; var. canina 58:129, 133; var. pumila 58:129, 133; reticulata 56: 208; tenuifolia 64:333; trinerva 69: 400
Cenchropsis myosuroides 67:319
Cenchrus 68:105, 341; albertsonii 56: 35; barbatus 58:44; brownii 67:319; carolinianus 67:319; echinatus 57: 283; 68:342; gracillimus 75:412; incertus 51:127; 56:35; 57:283; 66:11; 67:319; longispinus 51:8; 52:166; 56:35; myosuroides 51:126; 67:319; 68:342; pauciflorus 51:8; 52:166; 56:35; 57:279, 282-283; 68:342-343; viridis 67:319; 68:342
Cenomyce borbonica 52:115; ecmocyna 54:261-262; furcata δ hamata 56: 267; gracilis var. chordalis 54:262-263; var. elongata 54:262-264; rangiferinus 54:276; scabriuscula 52:93
Centaurea sect. Acrolophus 74:334; sect. Calcitrapa 74:334; sect. Cyanus 74:337; sect. Lopholoma 74: 337; sect. Mesocentron 74:333; americana 74:337, 344; austriaca 69:379-380; 74:336, 340-341; calci-

trapa 74:334, 338-339, 345; **calcitrapoides** 74:338; **cineraria** 74:337, 344; **consimilis** 74:340; **cyanus** 74:337, 344-345; **var. denudata** 74:344; **diffusa** 55:228, 237; 74:335, 340, 345; **diluta** 74:332-334, 339; **dubia** 56:41; 74:337, 343, 345; **subsp. eu-dubia** 74:343; **eriophora** 74:332; **iberica** 74:334, 338; **jacea** 67:197; 74:335, 340-342, 345; **var. nigra** 74:340; **var. transalpina** 74:343; **macrocephala** 74:337, 343; **maculata** 55:237; **maculosa** 63:45; 74:335, 339-340, 345, 394; **subsp. maculosa** 74:339; **subsp. micranthos** 74:339; **subsp. rhenana** 74:339; **melitensis** 74:333, 338; **montana** 59:6; 71:174; 72:500; 74:337, 344; **moschata** 74:337, 344; **muricata** 74:334, 339; **nervosa** 74:332, 336, 340-341; **nigra** 52:53; 69:380; 74:336, 340-342, 345; **f. pallens** 74:342; **var. radiata** 67:197; **nigrescens** 74:337, 342-343, 345; **var. dubia** 74:343; **paniculata** 74:335, 339-340; **phrygia subsp. austriaca** 74:341; **picris** 74:344; **×pratensis** 74:336, 340-342, 345; **repens** 61:78; 74:337, 344-345; **rothrockii** 74:337, 344; **salmantica** 74:333-334, 339; **scabiosa** 74:337, 344; **sicula** 74:338; **solstitialis** 52:163; 56:162; 74:150, 334, 338, 345; **squarrosa** 74:340; **stoebe** 74:339; **sulphurea** 74:334, 338; **transalpina** 74:342-343; **virgata var. squarrosa** 74:335, 340; **vochinensis** 57:268; 74:342

Centaurella 61:48; **aestivalis** 61:43-44, 57; **autumnalis** 61:44, 49; *β* **brachysepala** 61:44, 49; **moseri** 61:44, 49, 52; **paniculata** 61:43-44, 52; **verna** 61:43-44, 55-56; **vernalis** 61:43, 55; *β* **uniflora** 61:43, 55

Centaurium 57:4; 61:48; 72:551; **autumnale** 61:43-44, 53; **brittonii** 66:13; **pulchellum** 57:103; **texense** 56:160; **umbellatum** 57:103; 60:21; **vernum** 61:55

Centella asiatica 67:344; 71:33; **erecta** 66:379; 67:344; **repanda** 66:380

Centradenia 69:173-174

Centratherum punctatum 72:94, 97

Centrocarpha grandiflora 59:298

Centrogenium setaceum 67:325

Centrosema 69:412; **coriaceum** 63:17 (fig. 2), 18-19; **plumieri** 67:334; **pubescens** 67:334; **virginianum** 57:285; 64:151, 157 (fig. 16); 67:334; 69:412; 73:111, 493

Centrostachys aspera 67:329; 69:402; **indica** 67:329; 69:402

Centunculus minimus 56:97-98; 74:384; **pentander** 73:159

Cephalanthus 72:9; **occidentalis** 62:200; 63:30; 71:33, 173; 73:260; **var. pubescens** 55:15

Cephalocereus nobilis 69:374; **royenii** 67:341; 69:428

Cephalosporium sp. 73:308

Cephalozia ambigua 72:493; **bicuspidata** 53:120; 58:248; 72:494; **catenulata** 59:26, 254-255, 258; **connivens** 58:248; **leucantha** 58:248; 60:218; **macrostachya** 59:253-255; **media** 53:120; **pleniceps** 59:26; **spinigera** 60:219; **subdentata** 60:219

Cephaloziaceae 53:120

Cephaloziella arctica 60:223; **byssacea var. scabra** 59:254; **hempeana** 58:248; **spinigera** 60:219; **striatula** 64:124; **subdentata** 64:124

Ceramiaceae 71:136; 72:220; 74:269; 75:274, 276

Ceramiales 71:136, 528; 72:220; 73:284

Ceramium 75:535, 566; **areschougii** 71:116-117, 131, 136; **daviesii** 75:81, 550; **deslongchampsii var. hooperi** 72:117, 202, 222, 236, 323, 333; **diaphanum** 72:222, 230; 73:284; 74:480; 75:276; **elegans** 71:136; 72:325; **fastigiatum** 73:284; 74:480; 75:276; **rubriforme** 71:136; 72:201, 222, 236, 323, 333; 73:285; 74:480; 75:277; **rubrum** 66:221 (pl. 1299), 225, 227; 71:117, 124, 528; 72:117, 200, 222, 231, 233, 236, 323, 333; 73:284; 74:269, 422, 480; 75:277; **var. pedicellatum** 71:136; **secundatum** 75:94, 575; **strictum** 71:527-528; 72:200, 222-223, 233, 236; 74:422; 75:278; **violaceum** 75:537

Cerastium alpinum 53:227; 54:49, 51, 54, 216, 278, 283; **arvense** 62:108, 113; 63:43; 71:521; 72:517; 74:519-520; **var. viscidulum** 58:247; **beeringianum** 52:286; 53:227; 54:41; 55:53, 82, 148; 65:216; 67:381; **var. grandiflorum** 53:227; **brachypodum** 59:8; **fischerianum** 53:227; **glomeratum** 74:381; **longepedunculatum** 69:452; **longipedunculatum** 69:452; **maureri** 74:520; **nutans** 55:148; 62:108, 112, 115; **rigoi** 74:520; **scammaniae** 53:227; 71:161; **scopulorum** 63:43; **semidecandrum** 62:108, 115; **tomentosum** 72:517; 74:519-520; **viscosum** 62:108, 115; 64:343, 345; **f. apetalum** 54:253; 57:313; **vulgatum** 60:65; 62:108, 115; 63:43; 64:343, 345; 65:91; 71:521; 72:517; 75:317; *δ* **grandiflorum lusus 1** 53:227; **f. glandulosum** 62:108; **var. hirsutum** 55:148; **f. glandulosum** 55:148

Cerasus pennsylvanica 55:295
Ceratiola ericoides 56:257; 64:234; 65:280
Ceratium hirundinella 64:54; 71:469; f. robustum 71:469
Ceratocolax hartzii 72:216, 232, 236
Ceratodon purpureus 53:123; 58:248; 62:152
Ceratophyllaceae 62:109
Ceratophyllum demursum 56:257-258; 57:307; 58:77; 60:322; 61:276, 282, 283 (fig. 3, map); 62:109, 113; 67:196; 70:171; 71:418 (pl. 1424), 419; 72:13; 73:257; echinatum 56:257-258; 62:109, 113; 73:257
Ceratostoma portoricensis 67:344
Cerbera thevetia 67:346; 69:435
Cercidophyllum japonicum 73:213
Cercis canadensis 52:295; 53:246; 64:333
Cercocarpus montanus 51:19, 23; 56:208
Cerdana alliodora 67:348; 69:437
Cerefolium cerefolium 67:344
Cestrum 69:440; daphnoides 67:351; diurnum 69:440; laurifolium 69:440; nocturnum 69:440; salicifolium 67:351
Ceterach aspidioides 69:5
Cetraria ciliaris 60:77, 82; cucullata 54:277; 67:380; delisei 54:276; islandica 54:276; 60:77, 82; nivalis 67:380; oakesiana 60:82; tilesii 67:381; tuckermanii 60:82
Cevallia sinuata 51:25; 52:20
Chadsia 51:222
Chaemosiphonales 73:267
Chaenactis 58:164; 71:73-74; douglasii 74:394
Chaenomeles lagenaria 69:307, 318
Chaenorrhinum minus 52:59; 74:394
Chaerophyllum procumbens 60:20; 62:200; tainturieri 56:228
Chaetapiospora rhododendri 71:200-201
Chaetocalyx 69:412; scandens 69:393, 412
Chaetochloa barbata 67:319; geniculata 67:319; 73:50; lutescens 53:27, 29; 68:446; magna 67:319; rariflora 67:319; setosa 67:319; tenacissima 67:319; vulpiseta 67:319
Chaetomium funicola 73:308; globosum 73:308
Chaetomorpha 75:559; aerea 72:317, 331; 74:266, 412; 75:266; atrovirens 66:233; 71:120, 125, 132; 74:412-413; linum 66:233; 71:120; 72:326; 73:275; 74:412-413, 479; 75:266; melagonium 66:220, 233; 71:120; 72:116, 317, 322, 331; 73:275; 74:266, 413, 477
Chaetopappa bellioides 63:127
Chaetophora 64:57; incrassata 58:118; sp. 73:308
Chaetophoraceae 63:276; 67:251; 71:117; 75:261
Chaetopteris plumosa 71:124; 74:420
Chaetosphaeria phaeostroma var. phaeostromoides 68:190; phaeostromoides 68:190
Chaetosphaeridium globosum 63:276
Chalcas exotica 67:336; 69:417
Chamaecrista aeschynomene 67:332; antillana 67:332; aspera 57:285; chamaecrista 67:332; diphylla 67:332; enneryana 62:236; exunguis 67:333; grammica 67:332; granulata 67:332; haitiensis 62:236; leonardae 62:236; mirabilis 67:332; patellaria 67:332; portoricensis 67:332; swartzii 67:332; 69:410
Chamaecyparis 72:1-2, 4, 8, 15; henryae 65:361; nootkatensis 65:361; thyoides 63:65, 67, 69, 281; 65:359-361; 67:409-411; 70:217
Chamaedaphne calyculata 55:42, 44, 47, 51, 181; 63:284; 67:365; 70:193; 73:259; var. angustifolia 58:52; 65:273; 72:523
Chamaefistula antillana 69:410; bacillaris 67:332; 69:410
Chamaelirium luteum 53:80, 87
Chamaesaracha 51:83; 71:65; 75:325-326, 328-335, 336 (fig. 1), 337; boliviensis 75:364; coniodes 75:326, 328-329, 334, 336 (fig. 1), 339, 341, 355, 357, 359, 360 (fig. 12), 362 (fig. 13, map); coronopus 75:326-328, 334, 336 (fig. 1), 337-338, 340 (fig. 2), 341, 342 (fig. 3, map), 345, 349; crenata 75:326, 328, 331, 334, 336 (fig. 1), 338, 351, 352 (fig. 8), 353, 354 (fig. 9, map); echinata 75:364; edwardsiana 75:328, 334, 336 (fig. 1), 339, 341, 344 (fig. 4), 345, 348 (fig. 6, map), 349; **grandiflora** 51:82; 55:189; 60:113; 75:364: heterophylla 75:364; japonica 75:364; nana 60:113; 75:364; pallida 75:326, 328, 334, 336 (fig. 1), 339, 345, 346 (fig. 5), 347, 348 (fig. 6, map), 349, 355; physaloides 60:171; 69:225; 75:364; potosina 75:364; savatieri 75:364; sinensis 75:364; sordida 75:326-328, 334, 336 (fig. 1), 339, 347, 353, 355, 356 (fig. 10, map), 358 (fig. 11, map), 359; villosa 67:194; 75:328, 334, 336 (fig. 1), 338, 349, 350 (fig. 7), 351, 353, 354 (fig. 9, map); watanabei 75:364
Chamaesiphon polonicus 58:119
Chamaesyce 67:185, 338; 69:418; adenoptera 67:185; subsp. perga-

mena 69:374; anegadensis 69:374; articulata 69:418; blodgettii 69:418; buxifolia 69:418; geyeri 61:291; hirta 69:418; 73:48; hypericifolia 69:418; hyssopifolia 69:374, 418-419; jenningsii 68:160; maculata 67:185; mendezii 67:185-186; missurica var. calcicola 54:127; monensis 69:374; nirurioides 68:160; nutans 69:374; portoricensis 69:374; prostrata 67:185; 69:419; serpens 69:419; thymifolia 67:185-186; turpenii 69:374; vahlii 69:418
Chamberlainia acuminata 62:165; var. rupincola 62:165; cyrtophylla 62:165
Chamisme ciliolata 61:176; longifolia 61:195; purpurea 61:167; tenuifolia 61:190
Chamissoa 69:403; altissima 69:403
Chamitea 52:248
Champia 75:562; parvula 71:527; 75:275
Champiaceae 72:219; 75:275
Chantransia 75:535, 566; alariae 75:541; attenuata 75:583; catenulata 75:86, 557; collopoda 74:89, 92; 75:86, 557; corymbifera 75:88, 551, 556, 563; crassipes 75:86, 558; dasyae 75:545; daviesii 75:81, 550, 577; dufourii 75:84-85; efflorescens 75:584-585; var. thuretii 75:88, 551, 556, 560, 563; emergens 75:92, 572-574, 605 (fig. 76), 611; endozoica 75:92; flexuosa 75:532, 577, 582; hallandica 75:84; humilis 75:569; infestans 75:91; luxurians 75:94, 575; macounii 75:549; mediterranea 74:92-93; microscopica 75:86, 557; minima 75:572; minutissima 74:92-93; moniliformis 74:92; 75:87, 558; parvula 75:85; polyides 75:587; rhipidandra 75:541, 609; sagraeana 75:551, 560, 577, 591; sargassi 75:84; saviana 75:560; secundata 74:88; 75:94, 541, 545, 558-559, 575, 580; tenuissima 75:576; thuretii 75:88, 560, 562; trifila 74:92-93; unilateralis 75:544; virgatula 75:94, 541, 545, 560, 576, 580; f. tenuissima 75:576, 579, 581; var. luxurians 75:576
Chantransiaceae 63:281
Chaptalia 69:448; dentata 65:231, 232 (fig. 33), 238; integerrima 70:233, 239; integrifolia 65:238; mandoni 70:240; nutans 69:448; 70:233, 240; var. nutans 65:238; var. texana 65:238; ruminata 74:499; tomentosa 71:34
Chara 51:14; 64:57; globularis 58:118; intermedia 51:14; var. americana 51:14; zeylanica 57:283
Characeae 51:13-14
Characiaceae 63:277; 67:251
Characiopsis acuta 64:54; longipes 73:65
Characium 64:57; ambiguum 63:277; curvatum 71:451; gracilipes 71:451; limneticum 71:451-452, 453 (fig. 15); naegelii 63:277; obtusum 67:251; ornithocephalum 73:65; pringsheimii 63:277; 73:65; rostratum 73:65; sp. 63:277; stipitatum 63:277
Chascolytrum spicigerum 68:224
Chasmanthium nitidum 75:369
Chavica officinarum 71:438
Cheilanthes 72:534; brandegei 62:7, 9; capensis 62:9; deltoidea 62:9; eatoni 56:208; feei 56:208; fendleri 74:82; **fractifera** 62:7, 8 (pl. 1252), 9; 63:74; marginata 62:8; 63:75; nothoLaenoides 63:87; orbignyana 63:73 (pl. 1255), 74-75; paupercula 67:357; poeppigiana 63:75; pteridioides 62:9; pyramidalis 62:8; rigida 62:9; rufopunctata 63:75; saundersii 63:74; trichomanoides 67:357; wootoni 56:157
Cheiranthus asper 57:290; 70:34; asperus 70:34; cheiri 62:19; incanus 62:19
Cheiroglossa palmata 67:356
Chelidonium 69:180; grandiflorum 69:180; laciniatum 69:180; majus 52:294; 55:224; 63:47, 54; 69:32, 179-180, 182; var. pleniflorum 69:181; var. plenum 69:181-182
Chelone 62:173; cuthbertii 67:394, 396 (fig. 6, map); glabra 53:5; 55:189; 60:206; var. glabra 73:260; obliqua 62:173
Chenopodiaceae 55:146; 60:300; 63:211; 67:329; 69:402; 75:317
Chenopodium 51:7; 69:402; album 51:8; 55:147; 57:285; 60:300, 304; 63:288; 64:136; 65:91; 71:520; 72:516; 75:317; ambrosioides 60:300, 305; 69:402; 72:393; var. anthelminticum 57:285; 60:300, 305; bonus-henricus 60:300, 305; boscianum 60:300, 303; botrys 60:300, 304; capitatum 53:157; 55:147; 56:247; 60:300, 302; carinatum 56:160; 60:300, 305; foliosum 60:300, 305; gigantospermum 51:92; 66:170 (fig. 2), 171; var. standleyanum 51:92; glaucum 59:287; 60:300, 305; graveolens 51:7; 60:300, 305; 68:523; humile 60:300, 305; hybridum 51:92; 66:168, 170 (figs. 1, 3-4), 171; var. gigantospermum 51:92; 55:46, 146; 60:300, 302; 66:171; var. **standleyanum** 51:92; incanum 60:300, 305; lanceolatum 60:65, 300, 304; lepto-

phyllum 60:300, 302-303; 71:560; murale 60:300, 305; paganum 60: 300, 305; polyspermum 59:126; 60: 300, 305; pumilio 56:160; 67:181; rubrum 59:289; 60:300, 304; salinum 66:280; standleyanum 51:92; urbicum 60:300, 304; 71:169; vulvaria 53:22
Chiloscyphus pallescens 72:494
Chimaphila 75:163; maculata 51:108, 111; 52:161; 73:495; 75:162-164; umbellata 52:161; 62:261; 67:386, 389; var. cisatlantica 55:44, 46, 179; 71:166; 72:523
Chiococca 69:444; alba 57:277, 288; 66:19; 69:444; pinetorum 57:288; racemosa 66:19
Chiogenes hispidula 55:181, 295; 75: 320
Chione 69:444; seminervis 67:353; venosa 69:444
Chironia 57:2-3, 93; amoena 57:58; angularis 57:18; β angustifolia 57: 20, 30; var. α latifolia 57:18, 20, 31; var. β angustifolia 57:29; calycosa 57:79; campanulata 57:52, 93; β gracilis 57:52; chloroides 57:86; cymosa 57:7, 11, 23, 25, 27; decandra 57:90-91, 94-95, 103; dichotoma 57:79, 83; dodecandra 57:3, 5, 86, 93; gracilis 57:52; lanceolata 57:7, 10-11, 25, 93; paniculata 57:7, 11, 24-25; β angustifolia 57:11; pulcherrima 57:95, 103; stellaris 57:58; stellata 57:58; venosa 57:7, 12
Chlamydococcus 64:57
Chlamydomonadaceae 63:276; 67:251
Chlamydomonas aggregata 67:248, 252; angulosa 64:54; dinobryonis 71:451-452, 453 (fig. 12); mucicola 64:54; polypyrenoideum 64:54; snowii 64:54; 67:252; sp. 63:276; sphagnicola 64:54; typica 67:248, 252
Chlora 57:2; dodecandra 57:86
Chlorangium stentorinum 71:451
Chloranthaceae 70:416
Chlorella ellipsoidea 64:54; 67:251; sp. 75:265; vulgaris 64:54; 67:251
Chlorellaceae 75:265
Chloris 68:101, 284; 75:370; barbata 69:372; beyrichiana 68:284-285; ciliata 58:44; distichophylla 68:284-285; floridana 75:370; halophila 68: 285; inflata 67:319; 69:372; 73:49; mucronata 70:32; paraguayensis 67:319; 69:372; paraquaiensis 73: 49; petraea 57:278, 282-283; 63: 177; 64:86; 67:319; polydactyla 66: 11; 68:285; radiata 68:285-286; sagraeana 67:319; verticillata 64: 355; 68:518; virgata 56:179; 68:285; 74:389
Chlorochytrium grande 73:268; lemnae 73:297; moorei 73:268
Chlorococcaceae 63:277; 67:251; 71: 117
Chlorococcales 67:251; 71:117; 73:268
Chlorococcum humicola 64:54; 67:249
Chlorogalum pomeridianum 73:79
Chlorogloea conferta 71:116
Chlorophyceae 71:117, 451; 72:116, 331, 333; 74:411-412, 433, 451; 75: 54, 58
Chlorophycophyta 75:261, 293-294
Chlorophyta 63:276; 66:233; 67:251; 69:57; 71:117, 526; 72:317; 73:268; 74:297; 75:583, 588, 590
Chlorotheciaceae 63:279
Chlorotylium cataractarum 58:117
Chomelia 53:232
Chondria 75:553, 562; baileyana 72: 200-201, 226, 231, 233, 236; 75:280; sedifolia 75:280; tenuissima 72:226, 230; 75:280
Chondrophora nudata 71:34
Chonodrosium gracile 56:31; hirtum 56:31
Chondrus crispus 66:220-221, 223-225, 232-233; 71:115, 119, 131, 134, 136; 72:117, 200, 203, 210, 217, 231, 233, 237, 321-333; 73:275, 283; 74:411, 415, 419, 422-423, 480-481, 483 (fig. 1); 75:275
Chorda filum 66:230; 71:115, 122, 128, 138; 72:320, 336; 73:281; 74:129, 417, 428, 480; tomentosa 66:220, 226, 230; 71:154; 72:116, 320, 336; 74:417
Chordaceae 71:128
Chordaria 55:105; 74:87 (figs. 12-14); 75:559; flagelliformis 66:226, 230; 71:115, 122, 124, 126-127, 134, 138; 72:116, 320, 336; 74:267, 297, 417; var. densa 72:320
Chordariaceae 71:124; 74:267
Chordariales 71:124
Choroecolaceae 71:133; 72:213
Choreocolax polysiphoniae 71:133; 72: 117, 213, 231, 233, 237, 323, 333
Chorispora tenella 55:237; 62:93; 63: 43, 48, 55; 74:391
Chosenia bracteosa 73:213
Chromastrum 75:535, 566; alariae 75: 541; collopodum 75:86, 557; compactum 75:86, 557; crassipes 75:87, 558; hallandicum 75:84; humile 75: 569; infestans 75:91; microscopicum 75:86, 557; moniliforme 75:87, 558; rhipidandra 75:541, 543-544; secundatum 75:94, 575; unifilum 75:564; virgatulum 75:94, 576

Chroococcaceae 63:280; 67:252; 71: 116; 75:282
Chroococcales 67:252; 71:116; 73:267
Chroococcus limneticus 64:54; 71:448; minimum 71:448; minor 67:252; sp. 75:283; turgidus 53:182; 75:283
Chroolepus 64:57
Chrysactinia 64:2, 9
Chrysanthellum mexicanum 65:229, 232 (fig. 22), 237
Chrysanthemum balsamita 72:527; cinerarifolium 55:313; humile 63: 157; indicum 67:356; integrifolium 54:53; 65:222; ircutianum 60:124; lacustre 60:26; 72:250, 543; leucanthemum 52:297; 55:47; 60:122-124; 65:95; 71:19; var. pinnatifidum 55: 199; 57:302; 60:66; 63:149; 72:527; 75:321; var. subpinnatifidum 60:124; morifolium 67:356; parthenium 64: 269
Chrysobalanus 69:408; icaco 57:285; 67:331; 69:408; 73:206; oblongifolius 56:256; 57:285; 60:16, 23, 29; pellocarpus 67:331
Chrysocoma acaulis 72:146-147; graminifolia 66:382, 396; odoratissima 64:90; 70:483; paniculata 64: 90; 70:483; tomentosa 72:146, 154
Chrysoma pauciflosculosa 60:289-290; solidaginoides 66:20
Chrysophyceae 71:463; 73:285-286
Chrysophyta 63:279; 71:279; 73:285
Chrysophyllum 69:433; argenteum 69:433; bicolor 67:345; cainito 69: 433; eggersii 67:345
Chrysopsis 51:113-114; 56:183; 62:62; 67:86; 68:406; 72:42; 74:152-153; group Marianae 51:115; group Pilosae 51:115; sect. Ammodia 62:63; sect. Pityopsis 67:88; adenolepis 51: 143; arenicola 51:113-115; berlandieri 67:87 (fig. 5); 68:406; camporum 67:87 (fig. 4); correllii 51:144; decumbens 51:113-115; divaricata 67:231; falcata 54:308; 71:19, 27; floridana 72:44; foliosa 62:64; fulcrata 67:87 (fig. 7); 74:102, 104-105; gossypina 51:113-115; f. **decumbens** 51:113; graminifolia 62:64; 67:88; 73:496; hispida 74:105; hyssopifolia 72:42; lamarckii 62:73-74; mariana 74:152; var. floridana 72: 44; pilosa 62:64; pinifolia 51:144; 54:180; scabra 62:73-74; 74:511; stenophylla 67:87 (fig. 6); subulata 72:43; traceyi 72:43; villosa 62:100; 64:263; 67:87 (fig. 8); 70:301; 74: 105; var. viscida 70:301-302; viscida 70:302
Chrysosphaerella longispina 71:463
Chrysosplenium 51:191; alternifolium 51:191-192; var. sibiricum 51:191; americanum 55:54, 78, 164; 63:50, 52; iowense 51:191-192; 60:248, 251; sibiricum 51:192; tetrandrum 51: 191; 65:218; wrightii 55:251; 65:211
Chrysothamnus 62:62; nauseosus 56: 207; subsp. nauseosus 74:105; subsp. typicus 52:173
Chusquea 68:100, 109; delicatula 68: 109-110; longipendula 68:110; peruviana 68:109-110; quitensis var. patentissima 68:110; scandens 68:110; serrulata 68:109-110; spicata 68: 110; uniflora 68:109-110
Cibotarium divaricatum 54:184; 59:71; fruticulosum 59:70; macropetalum 54:184; 59:71; macrum 54:184; 59: 71; **microcarpum** 59:70; stellatum 59:70
Cibotium horridum 73:11; princeps 73:12
Cicca acida 69:420; disticha 67:337; 69:420
Cichoriaceae 67:354
Cichorium intybus 52:297; 53:225; 60: 66; f. album 57:319
Cicuta bulbifera 53:10; 59:263; mackenzieana 58:52; maculata 53:10; 72:522; virosa 70:171
Cienfuegosia heterophylla 66:13; 75: 418; yucatanensis 75:418
Cimicifuga cordifolia 63:21; racemosa 62:110, 114; f. dissecta 62:110; var. cordifolia 66:135; rubifolia 66:135
Cinchona 56:239-240
Cinna arundinacea 51:109, 127; 63: 136; 74:389; 75:315; var. inexpansa 55:159; latifolia 55:125; 63:136; 65: 89; 67:402; 72:5; 75:315
Cinnamomum elongatum 67:331; montanum 67:331; zeylanicum 67:331
Cintractia caricis var. caricis 64:119
Cipura **goodspeediana** 64:311
Circaea alpina 53:158; 55:176; 63:289; 64:63-64, 65 (pl. 1267), 66-67; 65: 93; 52:522; 75:319; × quadrisulcata 64:67; canadensis 64:63-64, 65 (pl. 1267), 66-67; 72:283; intermedia 64:67; lutetiana 64:63, 67; quadrisulcata 64:63-64, 65 (pl. 1267), 66-67; 72:339; var. canadensis 60:68; 72:14
Cirriphyllum boscii 53:125; 62:165; piliferum 62:165
Cirsium 51:33-34; 54:29; 65:339; 71: 285-286, 291, 293; 72:44; subgen. Eucirsium 65:341; 71:285-286; sect. Cirsiopsis 65:341, 353; sect. Erythrolaena 65:341, 354; subsect. Conspicua 65:354; sect. Onotrophe 65: 341, 353; 71:285; subsect. Acanthophylla 65:354; ser. Altissima 65:

345, 354; 71:285, 290, 292; ser. Mutica 65:344, 354; 71:285, 290; ser. Horridula 65:354; ser. Paniculata 71:285, 293; ser. Undulata 65: 346, 354; 71:285, 295; ser. Virginiana 71:285, 295; subsect. Acaulia 65:343, 353; subsect. Campanulata 71:285, 290; subsect. Minutiflora 65: 353; subsect. Ororata 65:344, 354; 71:285-286, 288; ser. Horridula 65: 354; ser. Pumila 65:344, 354; subsect. Stenanthia 65:343, 353; ser. Mexicana 65:353; altissimum 65: 339, 345-346, 354; 68:3; 71:285-286, 287 (figs. 1-2), 291; arvense 51:390; 54:33; 55:200; 57:302; 60:26; 64: 346; 65:95; 71:523; 72:338, 378, 528; 75:321; f. albiflorum 64:346; var. integrifolium 61:78; brevifolium 54:34; 65:346, 354; brevistylum 65: 339, 341, 353; canescens 54:29, 32-35, (pl. 1183); 55:237; 65:346-348, 351, 354; × foliosum 65:347; carolinianum 61:78; 71:285, 287 (figs. 3-4), 292; cernuum 65:339, 353; coccinatum 65:344; discolor 65:339, 345-346, 354; 68:3; 71:285-286, 287 (fig. 5), 291; f. albiflorum 55:160; drummondii 65:343-344, 353; edule 65:339, 353; filipendulum 71:291, 295; flodmanii 54:31, 33-35; 55:362; 65:339, 347, 354; f. **albiflorum** 55: 362; foliosum 65:341, 343-344, 347, 354; greenii 71:295; hillii 61:78; 65:341, 344, 354; horridulum 57:279; 64:156, 159 (fig. 52); 65:339, 354; 71:285-286, 287 (figs. 6-7), 288-290; 72:44; f. elliottii 57:288; var. horridulum 72:45; var. **vittatum** 72:45; iowense 65:345; lanceolatum 51:390; 55:200, 308; 56:162; lecontei 71:285-286, 287 (fig. 8), 288; lettermanii 54:32; megacephalum 54:30-31; mexicanum 65:343, 353; muticum 51:112; 54:254; 55:200; 65:95, 339, 344, 354; 71:285-286, 287 (figs. 9-13), 292; 72:528; nebraskense 54: 32; nivale 65:339, 353; nuttallii 71: 285-286, 287 (figs. 14-15), 290; 72: 44; ochrocentrum 65:347, 354; var. helleri 71:296; palousense 54:34; pinetorum 72:44; pitcheri 60:251; 65:348, 351, 354; plattense 54:29, 32-33, 35; 55:362; 65:347; pumilum 61:78; 65:344, 354; 71:285-286, 287 (fig. 16), 288-289; subsp. pumilum 71:286; repandum 71:285-286, 287 (fig. 17), 288; rugosum var. angustatum 52:174; skutchii 64:276; 65: 339, 341, 354; smallii 71:290; 72:45; subcoriaceum 65:339, 354; subniveum 65:349, 354; terrae-nigrae 56:25; 71:285-286, 287 (fig. 18), 291, 295; texanum 71:285, 293 (figs. 19-21), 294-295; tracyi 65:349, 354; turneri 71:59; undulatum 54:29-31, 34, (pl. 1182); 55:200; 56:211; 65: 339, 343, 350, 354; 70:431; 71:285, 293 (fig. 22), 295; var. megacephalum 54:30-31; 55:362; virginianum 61:78; 71:285, 293 (fig. 23), 295; vittatum 71:285-286, 289-290, 293 (figs. 24-28); 72:44; vulgare 55:200, 268; 56:162; 60:66; 65:95; 71:27; 72:528; 75:321; wheeleri 65:350, 354

Cissampelos 69:405; pareira 69:405

Cissus 69:423; 70:415; caustica 69: 423; sicyoides 69:423; trifoliata 69: 423; 70:415; tuberculata 67:339

Cistaceae 69:184, 186

Cistus 69:186; canadensis 67:64, 255, 258, 269, 272; carolinianus 67:211; corymbosus 52:264; 67:287; glomeratus 67:298; mexicanus 67:298; rosmarinifolius 67:311; virginianus 67:260

Citharexylum 69:438; fruticosum 69: 438; var. subvillosum 67:350; var. villosum 67:350; pentandrum 67: 350; ×perkinsii 67:350; tristachyum 67:350

Citrullus 69:446; citrullus 67:354; 69: 446; lanatus 67:354; 69:446

Citrus 69:401, 416; aurantifolia 69: 416; aurantium 75:417; grandis 67: 336; 69:416; limon 67:336; 69:416; limonia 69:416; limonum 67:336; 69:416; maxima 67:336; 69:416; paradisi 69:416; sinensis 69:391, 416

Cladium 67:114; jamaicense 57:278, 283; 67:114, 322; 73:49; mariscoides 57:113, 306; 65:26, 30; 73:256

Cladonia 52:47, 77, 121; 56:107-108, 110, 113; 59:56; 71:19; subgen. Cenomyce 52:86; sect. Cocciferae 52:86; subsect. Stramineo-flavidae 52:88; subsect. Subglaucescentes 52:86; sect. Ochrophaeae 52:89, 114; subsect. Chasmariae 52:91, 100; 56: 266; gr. Megaphyllae 52:106; gr. Microphyllae 52:91; subsect. Clausae 52:100, 107; gr. Foliosae 52: 118; gr. Ochroleucae 52:119; gr. Podostelides 52:100, 107; subgr. Helopodium 52:107, 109; subgr. Macropus 52:109; gr. Thallostelides 52:110; subsect. Unciales 52:89; subgen. Clathrina 56:107; subgen. Cladina 52:78; subgen. Pycnothelia 52:85; acuminata 52: 121; alpestris 52:85, 121; 54:276; 74:261; f. aberrans 52:85; alpicola 52:121; var. karelica 52:109; 59:60; amaurocraea 52:121; 54:269; apodo-

carpa 52:106-107, 120; 59:60; 60: 78; 74:256; atlantica 52:98-101, 104; 59:58-59; f. microphylla 52:99; f. ramosa 52:98, 103; 59:60; f. ramosissima 52:99-100; f. subsimplex 52: 99, 103; 59:60; bacillaris 52:86, 117-118, 120; 59:59; 60:80; 74:255; f. attenuata 74:255; f. bacillaris 74:255; f. clavata 52:87; 59:59; 60: 80; f. fructicaulencens 74:255; f. obtusa 74:255; f. peritheta 52:87; f. reagens 60:80; f. tenuistipitata 52:87; balfourii 52:116; beaumontii 52:99-101, 121; 74:259; borbonica 52:115-116; f. cylindrica 52:86-87, 115-116; f. ramosa 52:118; f. squamulosa 52:115, 118; boryi 52:89; 59:59; 60:77; 74:261; f. lacrimosa 74:261; f. lacunosa 52:91; f. prolifera 52:91; 74:261; f. reticulata 52: 91; brevis 52:109; 59:60; caespiticia 52:106, 120-121; 59:60; 60:78; 74: 259; f. epiphylla 74:259; calycantha 52:121; capitata 52:107-108, 121; 60:80; 74:256; f. capitata 74:256; f. epiphylloma 52:107; f. imbricatula 52:107; 59:60; f. pallida 52:107; f. squamulosa 52:107; carassensis 52:101-105, 121; 60:78; 74:259; *β* regularis 52:105; f. digrassa 52:104; 74:259; f. irregularis 52:103-104; m. regularis 52:104-105; f. obliqua 52: 104; m. spectabilis 52:104; 74:260; f. regularis 52:105; 60:78; 74:259; f. spectabilis 74:259; f. subirregularis 74:260; f. subregularis 52:103-105; 74:259; m. spectabilis 52:105; 74:260; f. **subulata** 52:105; cariosa 52:108, 121; 74:257; f. cribrosa 52: 108; f. squamulosa 74:257; caroliniana 52:89-90; 59:57, 59; 74:261; f. dilatata 52:90; 59:59; f. fibrillosa 52:90; 59:59; f. prolifera 52: 90; 59:59; f. tenuiramea 52:90; 59:59; cenotea 52:105, 121; 74:261; f. cenotea 74:261; f. crossota 52: 106; f. exaltata 74:261; var. corticata 52:95; var. magellanica 52:95; chlorophaea 54:266; 59:58, 60; 60: 79; 74:258; f. carpophora 52:112; 60:79; f. costata 52:112; 74:258; f. prolifera 74:258; f. simplex 52: 112; 59:60; 74:258; clavulifera 52: 108; 59:60; 60:81; 74:256; f. epiphylla 52:108; f. nudicaulis 52:108; 59:60; 60:81; f. pleurocarpa 52:108; 59:60; f. subvestita 52:108; 59:60; coccifera 59:58-59; 74:255; var. frondescens 74:255; var. phyllocoma 59:59; var. stemmatina 59:59; 74: 255; coniocraea 52:117; 59:60; 60: 79, 81; 74:258; f. actinota 74:258; f. ceratodes 52:114, 117; 59:60; 74: 258; f. expansa 52:114; f. peritheta 74:258; f. phyllostrota 52:115; 59: 60; 60:79; 74:258; f. pycnotheliza 52:115; 74:258; f. robustior 52:115; f. stenoscypha 52:115; 60:79; f. subpellucida 52:115; f. truncata 52: 115; 59:60; 74:258; conista 59:58; 60:79; f. simplex 52:113; 59:60; cornuta 52:121; cornutoradiata 52: 121; 60:79; f. radiata 52:113; 60:79; f. subulata 52:113-114; crispata 52: 103-104, 121; f. subascypha 74:260; var. dilacerata 74:260; f. elegans 74:261; f. infundibulifera 74:261; var. divulsa 74:261; f. crispata 74: 261; var. virgata; f. kairamoi 74: 261; cristatella 52:120; 59:59; 60: 80; 73:488; 74:255; f. abbreviata 52:88; f. aurantiaca 52:88; 74:255; f. beauvoisii 52:88; 59:59; f. cristatella 74:256; f. degenerata 52:89; f. lepidifera 74:256; f. ochrocarpia 52:89; 59:59; 60:80; 74:256; f. pleurocarpa 52:89; 59:59; 74:256; f. ramosa 52:89; 59:59; 74:256; f. scyphulifera 52:89; f. simulata 60:80; f. squamosissima 52:89; 60: 80; 74:256; f. squamulosa 52:89; 59:59; 74:256; f. vestita 52:88-89; 59:59; 60:80; 74:256; cryptochlorophaea 52:113; 54:266; 59:58, 60; cubana 56:267; cyanipes 52:121; **cylindrica** 52:116-118, pl. 1161; 60: 79, 81; f. **ramosa** 52:118; f. **scyphifera** 52:118; 60:79; f. **squamulosa** 52:118; decorticata 52:100, 110, 121; deformis 52:88,121; 60:79; f. crenulata 74:255; delicata 52:106; 60:80; f. quercina 52:106; 59:59; didyma 52:121; 59:58; 60:80; ** *γ* pygmaea 52:87; f. pygmaea 52:87-88; f. subulata 52:88; m. subulata 52:88; var. muscigera 74:256; digitata 52:121; ecmocyna 54:261-266, 270; 56:271; f. contorquescens 54:266, 268; f. foveata 54:267; f. gracilescens 54: 266, 269; f. nigripes 54:266, 269; var. **intermedia** 54:267, 270; var. macroceras 54:262, 266-270; var. **nigripes** 54:269; elongata 54:263-264; f. ecmocyna 54:261, 264, 269-270; f. intermedia 54:267, 270; f. laontera 54:268; var. esquamosa 54: 268; var. squamosa; f. laontera 54: 269; exasperatula 52:99-100; **farinacea** 52:95, 97, (pl. 1161); 60:77; fimbriata 52:113, 115; 59:58; 60:79, 81; *γ* cornutoradiata γ^2 subulata 52: 113; *η*. borbonica 52:115; f. conista 74:258; f. pycnotheliza 74:258; f. simplex 74:258; f. stenoscypha 74:258;

floerkeana 52:86; 59:58; 60:80; f. carcarata 74:255; f. floerkeana 74:255; f. intermedia 74:255; f. squamosissima 74:255; f. trachypoda 60:80; var. carcarata 52:86; f. squamosissima 52:86; var. intermedia 52:86; 59:58; f. carcata 74:255; f. fastigiata 74:255; f. floerkeana 74:255; f. intermedia 74:255; f. peritheta 74:255; f. squamosissima 74:255; floridana 52:99-100, 121; 59:59; 74:259; f. brachiata 59:59; f. elegans 59:59; f. esquamosa 59:59; foliacea 52:119; var. alcicornis 59:61; furcata 52:91-94, 96, 120; 56:266, 268-271; 59:59; 60:77-78; 74:259; f. foliolosa 74:259; var. farinacea 52:95; var. furcata 74:259; f. corymbosa 74:259; f. fissa 74:259; f. furcata 74:259; f. rigidula 74:259; f. subclausa 74:259; f. subulata 74:259; var. palamaea 52:92; 56:271; 60:77; 74:259; f. hamata 56:267; f. implexa 56:269; f. recurva 56:269; f. rigidula 52:92; f. spadicea 56:269; f. spectabilis 56:267; var. paradoxa 74:259; var. pinnata 52:92-93; 60:77; f. foliolosa 52:92-93; 59:59; 74:259; f. recurva 74:259; f. truncata 52:93; f. turgida 59:59; 74:259; var. racemosa 52:92-93; 56:271; 59:59; f. corymbosa 52:93; f. furcatosubulata 52:93; f. **prolifera** 52:93; f. squamulifera 52:92-93; 59:59; f. subclausa 52:93; 59:59; η racemosa; c. surrecta 52:93; γ scabriuscula f. farinacea 52:95; glauca 52:121; 74:261; gonecha 52:121; gracilescens 54:263; gracilis 54:261-266; 56:271; 60:79; η elongata 54:262; f. ecmocyna 54:261-262; chordalis 54:269; elongata 54:268; f. rostrata 54:267; f. subdilacerata 54:267; var. chordalis 54:263-267; f. amaura 54:270; var. dilatata 52:110; 54:263, 266; 74:257; f. dilacerata 52:110; 74:257; f. squamulosa 52:111; var. ecmocyna 54:261, 267; f. nigripes 54:267, 269; f. rostrata 54:267-268; f. subdilacerata 54:267; var. elongata 54:262, 264-268; f. chordalis 54:269; f. elongata 74:257; f. laontera 54:269; f. macroceras 54:269; f. subdilacerata 54:267; m. ecmocyna 54:261-262; var. macroceras 54:262; grayi 52:112, 120; 54:266; 59:57-58, 60; 60:80; 74:258; f. carpophora 52:112; 59:60; 60:80; f. centralis 74:258; f. clavata 74:258; f. cyathiformis 52:112-113; 59:60; 74:258; f. epiphylea 74:258; f. foliosa 74:258; f. **lacerata** 52:112; f. pallida 74:258; f. peritheta 74:258; f. prolifera 52:112; 60:80; 74:258; f. squamulosa 52:112; 59:60; 60:80; 74:258; impexa 52:121; 59:58; f. condensata 59:58; f. impexa 74:261; f. laxiuscula 59:58; f. prolifera 74:261; f. subpellucida 74:261; incrassata 52:87, 89; 59:59; 60:80; 74:255; f. clavata 74:255; f. squamulosa 52:89; 59:59; 74:255; japonica 52:101-102,104; f. nuda 52:105; f. subulata 52:105; f. tatrana 52:105; var. tatrana 52:102; lepidota 54:263; leporina 52:121; 74:256; leptothallina 52:100; linearis 56:107; macilenta 52:87; 60:80; 74:256; f. macilenta 74:256; f. styracella 59:59; var. ostreata 52:87; f. ostreata 52:87; f. styracella 52:87; macropus 52:109-110; major 52:113, 121; mateocyatha 52:111; 59:61; 74:257; f. leioscypha 52:111; f. squamulata 52:111; 59:61; 74:257; merochlorophaea 52:121; microphylliza 52:99-100; mitis 52:79, 81-84, 121; 59:58; 60:78; 74:262; f. divaricata 74:262; f. pallida 74:262; f. prolifera 74:262; f. prostrata 74:262; f. soralifera 74:262; f. tenuis 52:84; 74:262; mitrula 59:60; 60:80; multiformis 52:97; 74:259; f. finkii 52:97; f. simulata 52:98; nemoxyna 52:114, 120; 60:79, 81; 74:258; f. ambigua 74:258; f. fibula 52:114; f. nemoxyna 74:258; f. phyllocephala 52:114; 74:258; f. rei 52:114; f. scyphifera 74:258; norrlinii 52:109, 121; ochrochlora 52:114; paludicolor 59:59; papillaria 52:85-86; 59:58; 60:77; 74:255; f. molariformis 52:86; 59:58; 74:255; f. papillaria 74:255; f. papillosa 52:86; 59:58; f. prolifera 52:86; 59:58; f. stipata 52:86; 59:58; 74:255; parasitica 74:259; f. congesta 74:259; f. parasitica 74:259; f. sterilia 74:259; piedmontensis 52:119; 59:61; 60:80; 74:256; f. epiphylla 52:120; f. intermedia 74:256; f. lepidifera 52:120; 59:61; 74:256; f. obconica 52:120; 59:61; 74:256; f. phyllocoma 59:61; 74:256; f. piedmontensis 74:256; f. squamosissima 52:120; 74:256; f. squamulosa 52:120; 59:61; 60:80; pityrea 52:100; 59:61; 60:79, 81; var. pityrea 74:257; f. cladomorpha 74:257; f. pityrea 74:257; f. scyphifera 74:257; f. squamulifera 74:257; f. subacuta 74:257; var. zwackhii f. hololepis 59:61; f. phyllophora 52:118; f. squamulifera 52:118; f. subacuta 52:118; 59:61; pleurota 52:88, 120;

59:59; 60:79; 74:255; f. decorata 52:88; 59:59; f. extensa 52:88; f. frondescens 52:88; var. cerina 59:59; var. frondescens 52:88; 59:59; 60:79; poculifera 74:262; f. simplex 74:262; polycarpia 52: 121; 59:58, 60; polycarpoides 74: 256; f. epiphylla 74:256; f. polycarpoides 74:256; f. squamulosa 74: 256; pseudopyxidata 74:262; f. clavata 74:262; f. lateralis 74:262; f. prolifera 74:262; f. simplex 74:262; f. squamulosa 74:262; pyxidata 59: 60; 60:79; 74:257; *μ* pityrea g. phyllophora 52:118; var. neglecta 52:111; f. lophyra 52:112; 59:60; f. simplex 52:111; 59:60; var. pocillum 52:112; var. pyxidata 74: 257; f. centralis 74:257; f. homodactyla 74:258; f. lophyra 74:258; f. marginalis 74:258; f. prolifera 74:257; pyxioides f. simplex 74:262; rangiferina 52:78; 59:58; 60:77; 74: 262; f. crispata 52:78; 59:58; 60:77; f. incrassata 52:78; 74:262; f. prolifera 52:79; f. tenuior 74:262; f. umbellata 52:79; rangiformis 52:83; 56:266, 269-271; var. muricata 56: 268; ravenelii 52:121; robbinsii 52: 118-119; 59:61; f. squamulosa 52: 119; 74:250; santensis 52:99-100; b. beaumontii 52:99; scabriuscula 52:93-95, 97, 121; 60:77; 74:259; f. adspersa 74:259; f. elegans 74:259; f. farinacea 52:93-96; 74:259; f. scabriuscula 74:259; f. squamulosa 74:259; f. subtestacea 52:95, 97; f. surrecta 52:94; var. farinacea 52:95; scabriuscula-farinacea 52:95; simulata 74:257; sp. 71:21; spp. 70: 290; spumosa 74:262; squamosa 52: 98, 103-104; 59:58-59; 60:78; 74: 260; f. denticollis 59:59; 74:260; f. fascicularis 74:260; f. laevicorticata 59:59; 74:260; m. pseudocrispata 59:59; m. rigida 59:59; f. multibrachiata 52:99; f. murina 52:98; f. phyllocoma 59:59; f. phyllopoda 52:98; f. pityrea 74:260; f. sessilis 59:59; f. squamosa 74:260; f. squamosissima 52:98; 59:59; 60: 78; f. turfacea 59:59; var. laevicorticata 74:260; f. carneopallida 74:260; f. degenerascens 74:260; f. laevicorticata 74:260; var. muricella 74:260; f. sarmentosa 74:260; f. ventricosa 74:260; var. phyllocoma 74:260; f. muricella 74:260; f. pseudocrispata 74:260; f. rigida 74: 260; f. subesquamosa 74:260; f. subtrachynella 74:260; f. turfacea 74: 260; stenophylliza 52:99-100; strepsilis 52:119; 59:61; 74:256; f. abortiva 74:256; f. compacta 52:119; f. coralloidea 52:119; 59:61; 74:256; f. glabrata 52:119; 59:61; 74:256; f. strepsilis 74:256; f. subsessilis 52: 119; 59:61; subcariosa 52:108, 120; 59:60; 60:81; f. epiphylla 59:60; f. evoluta 52:108; 59:60; f. pallida 59: 60; f. pleurocarpa 52:109; f. ramosa 52:109; 59:60; f. squamulosa 52:109; 59:60; 60:81; submitis 52:80, 83-84, 121; 59:58; 60:78; f. divaricata 52: 85; f. prolifera 52:85; subrangiformis 52:91; 56:266-271; subsquamosa f. degenerata 74:260; f. luxurians 74:260; f. nuda 52:102, 105; f. scabrida 74:260; f. sublevis 74:260; f. subrigida 74:260; f. subulata 52: 102, 105; subtenuis 52:85, 120; 59:58; 74:261; f. cinerascens 59:58; f. prolifera 52:85; f. setigera 52:85; surrecta 52:94; sylvatica 52:79-85; 59: 58; 60:78; 71:21; 74:262; f. arbuscula 74:262; f. congesta 74:262; m. fissa 74:262; f. decumbens 74:262; f. gracilior 74:262; f. inactiva 52: 79; f. prolifera 52:81; f. pygmaea 52:81; 59:58; 74:262; f. scabrida 74: 262; f. sphagnoides 52:81; 59:58; 74:262; m. sorediata 74:262; f. subspumosa 52:81; tenuis 59:58; 60: 77; 74:261; f. prolifera 74:261; f. prostrata 74:261; terrae-novi 74: 261; turgida 52:107, 121; 60:78; 74:258; f. conspicua 74:258; f. corniculata 52:107; f. scyphifera 52: 107; f. squamulosa 60:78; uncialis 52:89-90, 121; 59:59; 60:77; f. dicraea 59:59; f. humilior 59:59; 74: 261; f. obtusata 52:90; 59:59; 74: 261; f. setigera 52:90; 74:261; f. soraligera 52:90; 74:261; f. spinosa 52:90; f. subobtusata 52:90; 59:59; 74:261; f. turgescens 74:261; f. uncialis 74:261; verticillata 52:111, 121; 59:61; 60:79; 74:257; f. aggregata 52:111; 60:79; 74:257; f. apoticta 52:111; 59:61; 60:79; 74: 257; f. evoluta 52:111; 59:61; f. pallida 74:257; f. phyllocephala 52:111; 59:61; 60:79; 74:257; f. phyllophora 59:61; f. verticillata 74:257; var. certicornis f. phyllophora 74:257; vulcanica 59:58

Cladoniaceae 56:107-108, 113

Cladoniopsis 56:106

Cladophora 64:57; 75:559, 590; albida 71:154; 73:276; 75:266; crispata 58:118; crystallina 73:276; 75:266; expansa 71:154; 73:276; 75:266; fascicularis 75:266; flexuosa 71:118, 120, 526; 72:317, 331; 73:276; 75:

267; f. densa 71:526; 75:267; glaucescens 73:276; gracilis 71:120, 132, 526; 74:266; 75:267; holsatica 74:130; liniformis 73:276; 74:280; magdalenae 75:267; refracta 74:266; rupestris 71:120; 74:266; 75:267; sagraeana 75:590; sericea 71:120, 526; 72:317; 73:276; 74:409, 411, 413, 415, 421; vagabunda 73:276
Cladophoraceae 63:276; 71:120; 74:266; 75:266
Cladosiphon zosterae 72:320, 336
Cladrastis lutea 52:295; 68:523; 72:492; secundiflora 70:528
Clarkia 75:235; davyi 67:230; prostrata 67:230
Clasmatodon parvulus 53:127
Clasterosporium asperum 61:96; curvatum 61:98; maydicum 61:96-98; nitens 61:101
Clathrina 56:107
Clathrinaceae 56:107
Clathrocystis 64:57
Clathromorphum circumscriptum 66:225; 71:133; 72:117, 200-201, 209, 237, 323-324, 333; 74:422; compactum 71:153
Clathrotropis flava 70:518
Clavenna tetrandra 67:353
Claytonia 66:136; arctica 71:505; aurea 60:259; caroliniana 55:148; 62:108, 113; 65:338; 66:136, 137 (pl. 1296), 138; 67:374, 386; [×virginica] 66:136, 137 (pl. 1296), 138; chrysantha 60:259; flava 60:259; lanceolata 60:259; sarmentosa 55:248-249; scammaniana 55:249; virginica 53:131; 58:318; 60:258-259; 62:108, 114; 64:150, 155 (figs. 9-10); 66:136, 137 (pl. 1296), 138; 72:349, 441; f. micropetala 53:131
Cleistes divaricata 71:32
Clematis 71:198, 319; sect. Viorna 72:17; subsect. Baldwinianae 72:17; baldwinii 72:17-18; var. baldwinii 72:18; var. **latiuscula** 72:18; crispa 53:131; 72:18; dioscoreifolia 55:160; 75:158-159; var. robusta 62:110; 75:158; drummondii 52:20; fremontii 72:18; reticulata 72:18; verticillaris 53:12; 54:201-202; 55:151; 62:110, 114; virginiana 53:10; 62:110, 113; 71:198; 72:517; f. missouriensis 55:151
Cleome 69:407; aspera 68:44; burmanii 56:66; ciliata 56:66; 67:331; 69:407; cuneifolia 66:20; dodecandra 56:65-69; 68:41-47; var. canadensis 56:69; graveolens 56:69; gynandra 68:43; 69:407; icosandra 67:331; 68:43; 69:407; monophylla 68:43; polygama 68:46; rutidosperma 56:66; 67:331; 69:407; serrata 56:66; 68:46; serrulata 63:47, 55; speciosa 69:407; spinosa 63:47, 55; viscosa 56:67; 67:331; 68:43-44, 46; 69:407
Clerodendron (see also Clerodendrum) aculeatum 69:438; speciosissimum 69:438; thompsonae 69:438
Clerodendrum 69:438; aculeatum 67:350; bungei 67:350; fragrans var. pleniflorum 73:50; indicum 67:350; inerme 67:350; speciosissimum 73:48; 75:421
Clethra alnifolia 70:290; 71:33; 72:56; var. pubescens 72:57; var. tomentosa 72:56
Clethraceae 71:33
Clevea hyalina 60:232 (fig. 15, map)
Cleyera albopunctata 67:340
Clibadium 70:232; armani 70:230 (fig. 21), 232, 238; surinamense 70:232
Clidemia 69:429; hirta 69:429
Cliftonia 64:147, 151; monophylla 66:380; 71:32; monosepala 64:151, 157 (fig. 21)
Climaciaceae 62:147, 160
Climacium americanum 53:125; 62:160; var. kindbergii 62:160; dendroideum 62:160; kindbergii 53:125; 62:160
Clinopodium 57:74, 77-78; incanum 57:75; rugosum 57:75; 64:184; vulgare 57:73, 75
Clintonia borealis 51:110; 53:80, 85; 55:45-46, 138; 65:23, 90, 312; 67:402; 72:514
Cliococca 73:560, 562, 563; **selaginoides** 73:561 (fig. 1), 563, 564 (fig. 2, map); tenuifolia 73:563
Clipeola mexicana 62:19
Clitocybe **albimontana** 68:178-179; angustissima 62:188; asterospora 68:179; basidiosa 61:132; compressipes 62:187-188; f. autumnale 62:188; diatreta 65:296; eccentrica 65:290, 291 (pl. 1289), 295; farinacea 62:187-188; fellea 61:127-128, 130; felleoides 62:187-188; harperi 62:189; highlandensis 62:188-189; **hudsonianus** 62:186, 189-190; intermedia 62:187-188; leptoloma 65:290, 292 (pl. 1290), 296; luteovitellina 62:190; **morgani** 64:126, 129; multiformis 62:193; olida 64:129; regularis 62:188; socialis 61:127, 130-131; subbulbipes 65:290, 293; sulphurea 71:189-191; trullisata 64:130; truncicola 65:294 (pl. 1291), 295-296; umbellifera 62:190; umbonata 62:190
Clitoria 69:412; foliis pinnatis 51:292; fragrans 61:183; laurifolia 67:334; mariana 71:32; 73:488, 493; rubigi-

nosa 67:334; sericea 51:351; ternatea 69:412
Clomenocoma 64:4, 9-10
Closteriopsis longissima 71:452, 453 (fig. 19)
Closterium 63:278; abruptum 63:278; 69:57; acerosum 63:278; 64:54; 71:452; acuminatum 63:278; calosporum 64:54; cornu 63:278; dianae 64:54; 71:452; didymotocum 64:54; ehrenbergii 63:278; 64:54; 73:65; gracile 75:261; incurvum 64:54; jenneri 63:278; juncidum 63:278; kuetzingii 69:57; 71:452; lagoense 64:54; lanceolatum 63:278; 64:54; leibleinii 63:278; 64:54; 73:65; libellula 63:278; var. intermedium 63:278; 69:57; lunula 64:54; moniliferum 63:278; 64:54; 71:452; parvulum 63:278; regulare 63:278; rostratum 63:278; setaceum 63:278; 69:57; sigmoideum 64:54; strigosum 63:278; subtruncatum 63:278; turgidum 64:54; ulna 69:57; genus 63:278
Clusia 69:173, 426; grisebachiana 67:341; 70:415; krugiana 67:341; rosea 69:392, 426
Clusiaceae 67:340
Clutia 52:223-224
Cluytia 52:223
Clypeola mexicana 62:19
Clypeosphaeriaceae 64:134
Cnemidaria decurrens 74:442; **grandifolia** 63:32
Cneoridium dumosum 56:52
Cnicus benedictus 55:313; 62:233; muticus 51:112; plattensis 54:32; var. spinosior 54:32; undulatus 54:29-31; var. canescens 54:29, 32, 34; var. grahami 54:29; var. megacephalus 54:29-30; var. ochrocentrus 54:29
Cnidoscolus 64:147; stimulosus 54:173; 57:286; 60:291; 73:490, 494; texanus 64:151, 157 (fig. 19)
Cobresia (see also Kobresia) 74:322 (fig. 12)
Coccinia cordifolia 69:376; grandis 69:376
Coccochloris elabens 58:119; 75:283; peniocystis 58:119; 75:283; stagnina 58:119; 73:267; 75:283
Coccocypselum herbaceum 67:353
Coccoloba 54:78; 69:402; costata 67:329; curtissii 54:77, 79; diversifolia 54:79; 67:329; floridana 54:77-79; krugii 73:48; laurifolia 54:77-79; microstachya 67:329; 69:402; pubescens 67:329; swartzii 67:328; f. urbaniana 67:329; var. portoricensis 67:329; uvifera 57:279, 281, 285; 69:402; venosa 69:402
Coccolobis bahamensis 66:6; borinquensis 67:328; grandifolia 67:329; laurifolia 67:329; obtusifolia 67:329; 69:402; rupicola 67:329; uvifera 69:402
Coccothrinax alta 67:322; 69:372; argentata 75:414; argentea 69:372; discreta 67:322; eggersiana 67:322; inaguensis 75:414; sancti-thomae 67:322
Cocculus carolinus 64:150
Cochleanthes flabelliformis 67:327
Cochlearia 54:40-42; coronopus 62:19; danica 62:331; fenestrata 54:52; 62:331; groenlandica 62:331; officinalis 54:41, 52; 62:13, 331; subsp. arctica 54:40; 65:217; var. groenlandica 54:49; f. crassa 54:52; var. oblongifolia 54:52; sessilifolia 54:40; tridactylites 62:331
Cochlospermaceae 67:341; 69:427
Cochlospermum 69:427; vitifolium 67:341; 69:427
Cochranea anchusaefolia 60:21; 67:349; 69:438
Cocos campos-portoana 65:260; getuliana 65:260; mataforme 65:260; nucifera 57:284; 65:260; ruschiana 65:261; tostana 65:261
Codiaeum 69:419; variegatum 69:419
Codiolum gregarium 72:116, 317, 331; var. intermedium 73:268; petrocelidis 72:116, 317, 331; pusillum 72:116, 317, 331; 74:413; f. longipes 71:117
Codium 75:553, 588
Coelastraceae 63:277; 67:251
Coelastrum cambricum 63:277; microporum 63:277; 64:54; 67:251; 71:452; sphaericum 63:277
Coelia triptera 67:326
Coelopleurum lucidum 58:247; 64:343, 346; 65:93; 71:522; 72:522; 75:319
Coelosphaerium collinsii 63:280; dubium 64:54; naegelianum 53:182; 64:54
Coffea 69:444; arabica 69:444
Coix 68:108, 358; lachryma-jobi 68:358
Colacium arbuscula 71:452, 453 (fig. 16), 462; vesiculosum 71:452, 453 (fig. 17), 462
Colaconema 75:97, 531-532, 535, 565, 593, 611; americana 75:574, 588-589, 608, 611; bonnemaisoniae 75:94, 566; humilis 75:534, 569-571, 583, 604 (figs. 66-73), 607; **infestans** 75:79-80, 89, 90 (figs. 5-6), 92, 94; **membranacea** 75:534, 556, 566, 568-569, 603 (figs. 64-65), 608; **minima** 75:534, 572-574, 588-589, 605 (figs. 74-76), 607, 611; nakamurai 75:564;

polyides 75:587; porphyrae 75:92; **secundata** 75: 79, 81, 93 (figs. 7-8), 94-96, 532-533, 555-556, 575, 579, 581-582, 591-592, 606 (figs. 77-83), 607-608; tenuissima 75:576
Coleochaetaceae 63:276
Coleochaete orbicularis 64:54; scutata 58:119; 63:276; 64:54; soluta 64:54
Coleus 69:439; amboinicus 69:439; blumei 69:439
Colinil 51:233; cinereum 51:378; rosea 51:372
Collinsia parviflora 72:289; 74:393; verna 58:308-309; violacea 58:308-309; f. **pallida** 55:159
Collinsonia canadensis 65:366; 66:276; 75:400; verticillata 66:275
Collomia 51:7; linearis 51:7; 53:4, 12, 158; 68:523
Collybia colorea 68:176; var. rubescentifolia 68:176; luteoolivacea 68: 176; rubescentifolia 68:176; strictipes 65:296-297
Colobanthus kerguelensis 75:240
Colocasia antiquorum 62:252, 253 (fig. 2); esculenta 67:323
Cololejeunea biddlecombiae 59:254, 256-258; minutissima 59:256-257
Colpodium latifolium 64:51
Colubrina 69:422; arborescens 67:339; 69:422; asiatica var. asiatica 75:418; colubrina 67:339; 69:422; elliptica 69:374; reclinata 69:374, 422; rufa var. antillana 69:374; urbanii 67:339
Comandra 53:6-7; livida 70:210; richardsiana 53:6; 54:226; 56:247; 60: 206, 298, 303; umbellata 51:10; 52: 293; 60:298, 302; 67:408
Combretaceae 67:342; 69:430; 75:419
Commelina 63:88; communis 53:80, 88; 65:363; var. ludens 60:12; 63: 88; f. **aureostriata** 63:89; diffusa 53:80, 88; 64:149, 155 (fig. 5); 67: 323; elegans 69:373; erecta 57:284; 73:300; var. angustifolia 64:149, 155 (fig. 4); var. erecta f. **alba** 73:300; longicaulis 67:323; virginica 53:80, 88; 64:149; 69:373
Commelinaceae 52:293; 53:80; 63:211; 64:149; 67:323; 75:149
Commelinidae 70:426
Commicarpus 69:404; scandens 69: 404
Comocladia 69:421; cuneata 69:374; dentata 69:374; dodonaea 69:421
Comolia 69:165
Compositae 51:98, 101, 223; 52:253, 283, 297; 55:195; 59:242; 61:231; 62:181; 63:212, 342-343; 64:156; 65:225; 66:15; 67:354; 69:35, 352, 395, 447; 70:222, 228, 241, 561; 71: 515, 581; 72:94, 100, 386-387; 73: 47-49; 74:495; 75:114, 116, 149, 169, 179-180, 297-298, 321, 422, 503; trib. Anthemideae 58:179, 183; 60:125, 127; 63:125, 129; 64:269; 65:231; 70:96, 98, 482; trib. Arctotideae 64:270; trib. Astereae 62:61-62, 123, 125; 63:122, 126; 64:252, 263, 272, 274; 65:226, 233; 70:95, 97, 231, 237; trib. Cardueae 74: 331; trib. Cichorieae 61:76, 78; 64:270, 276; 65:231, 238; 70:233, 240; trib. Cynareae 61:76, 78; 64: 276; trib. Eupatorieae 61:76; 62:122, 125; 63:121, 126; 64:252, 262, 272, 274; 65:226, 233; 66:178; 69:35, 352; 70:94, 97, 100, 229, 235, 474-475; 73:566; subtrib. Adenostylinae 70:231; subtrib. Ageratinae 70:231; subtrib. Kuhniinae 55:253; trib. Galardiae 59:129; trib. Helenieae 58:180; 63:124, 128; 64:258, 268, 272, 274; 65:229, 238; 66:67; 70: 481; subtrib. Bahianae 66:178-179; trib. Heliantheae 58:179; 60:125-126; 62:123, 125; 63:124, 127; 64: 254, 265, 272, 274; 65:229, 236; 66: 156; 68:139; 70:95, 98, 232, 238, 353; 73:291; 75:180; subtrib. Ambrosinae 64:265; subtrib. Coreopsidinae 64: 257, 268; 71:309, 367; 75:173; subtrib. Galinsoginae 64:257, 268; 70: 241; 72:387; subtrib. Melampodinae 64:254, 265; 71:581; 72:106-107; 73: 292; subtrib. Milleriinae 73:292; subtrib. Verbesininae 64:255, 266; 70:241; 75:172; subtrib. Zinninae 64:254, 265; 66:156-157; trib. Inuleae 64:254, 264; 65:229, 236; 70:232, 238; trib. Mutisieae 64:259, 270; 65: 231, 238; 70:233, 239; trib. Peritylanae 71:58; trib. Senecioneae 61: 76-77; 62:125; 63:125, 129; 64:259, 269, 272, 274; 65:231; 66:178; 70:96, 98, 233, 239; 75:180; trib. Vernonieae 64:262; 70:229, 235; 72:94, 97
Comptonia peregrina 52:261, 293; 53:3; 55:143; 58:127, 132; 67:394, 395 (fig. 1, map); 72:515; var. asplenifolia 69:452; var. aspleniifolia 69:452
Conami portoricensis 67:337
Conchocelis rosea 75:608
Condalia obtusifolia 52:19-20
Conferva 64:57; 75:535; daviesii 75:81, 550, 594; purpurea 75:536; rothii 75:537; rupestris 75:95, 578; violacea 75:537
Congea tomentosa 67:350
Coniogramme mexicana 66:111
Conioselinum chinense 52:175; 57:308; 65:93; 66:140, 150, 154; 71:514;

cnidiifolium 65:219; vaginatum 65: 219-220
Coniosporium paradoxum 61:101
Coniothyrium sp. 73:306-308
Conium maculatum 74:397
Connarus 70:335
Conobea multifida 66:280
Conocarpus 57: (pls. 1215, 1218, 1219); 69:430; 75:412; erectus 57:272, 277, 279-281, 287, (pl. 1215); 69:430; 72: 544, 545 (fig. 1, map), 546; var. sericeus 57:287; 72:544; pubescens 72:544; sericeus 72:544
Conocephalum conicum 53:121
Conoclinium coelestinum 73:571, 572 (fig. 3, map), 573 (fig. 4); dichotomum 73:571, 573
Conomorpha citrifolia 65:20; lithophyta 65:20; magnoliifolia 65:20
Conopholis americana 54:227; 71:303; 74:141; 75:167
Conostegia hotteana 69:375
Conringia orientalis 63:48, 54
Consolea moniliformis 69:375; rubescens 69:375, 428
Convallaria canaliculata 60:292; 68: 458; majalis 53:80, 88; 54:208
Convolvulaceae 51:208; 55:186; 59: 242; 63:211; 64:147, 153; 67:347; 69:395, 436; 71:33; 72:32; 73:49; 75:320, 420
Convolvulus 51:39, 192; aquaticus 51: 35-40, (pl. 1121); arvensis 71:172; 72:378; catesbeianus 51:70; erianthus 51:38; hederaceus 51:74; hermannioides 52:37; humistratus 51: 37, 40; incanus f. **roseus** 73:554; japonicus 51:73; panduratus 51:75; patens 51:36-37, 39-40; (pl. 1121); 52:267; pellitus 51:73-74; f. **anestius** 51:73, 75; pickeringii 51:36, 38-40, 42; pilosellaefolius 58:45; pubescens 51:73; repens 51:71; sepium 51:70-74; 53:10; 60:68; 71:516; 75:320; f. coloratus 51:72; 54:257; 69:33; f. **malachophyllus** 51:72; 54:257; 65: 94; 75:320; f. sepium 69:33; var. americanus 51:72; var. communis 51:72; var. dumetorum 51:73; var. fraterniflorus 51:72; var. pubescens 51:70; var. repens 51:71, 193; 57: 315; var. sepium 65:94; 71:522; 72: 524; spithamaeus 51:10, 71; 55:46, 156, 186; var. catesbeianus 51:70, 72; var. **pubescens** 51:70-72; 55:186; var. stans 55:186; subvolubilis 51:73; tenellus 51:40; trichosanthes 51:36-37, 40, (pl. 1123); var. patens 51:39; wallichianus 51:74
Conyza 69:448; apurensis 67:355; bonariensis 67:355; 69:448; 75:406; canadensis 55:197; 57:279, 282; 62: 99; 63:342, 344; 64:263; 65:227; 66: 380; 69:448; var. pusilla 57:288; 67:355; chilensis 69:376; 70:230 (fig. 15), 232, 238; confusa 65:227, 230 (fig. 10); coronopifolia 62:177 (fig. 1), 182, 184; 63:342, 344; 64: 263; floribunda 67:355; lyrata 74: 500; var. pilosa 74:500; notobellidiastrum 70:232; sophiaefolia 64: 263; viscosa 74:500
Cooperia drummondii 63:216; jonesii 63:216; traubii 63:216
Copaifera langsdorfii 63:18
Coprosmanthus 70:55, 57, 247; ecirrhatus 70:265; herbaceus 70:249; *β* ecirratus 68:459; var. ecirratus 70:58, 265; lasioneuron 70:253; peduncularis 70:249; tamnifolius 70: 260
Coptis groenlandica 55:46, 151; 62: 110, 113; 65:23, 91; 67:402; 72:281, 517; 75:318
Corallina officinalis 66:221, 225; 71: 116, 123, 125, 133; 72:117, 200, 210-211, 237, 323-324, 333; 74:269, 411, 422-423
Corallinaceae 71:133; 72:209; 74:269; 75:274
Corallorhiza 54:140; innata 58:34; 68:460; integra 68:461; maculata 53:5, 82, 84-85; 55:141; 72:515; 74:141; f. flavida 52:44; 53:82; 55: 141; odontorhiza 53:82, 87; 61:24; 70:485; 73:301; f. flavida 53:82; ruppii 68:460-461; striata 52:286; 55:141; trifida 55:141; 68:460-461; 72:515; var. verna 53:82, 85; 65:90
Corchorus 69:423; aestuans 69:423; hirsutus 69:423; siliquosus 69:423
Corculum leptopus 75:386
Cordia 69:437; alba 67:348; alliodora 67:348; 69:437; bahamensis 67:348; bellonis 67:348; collococca 67:348; 69:437; dentata 67:348; gerascanthus 67:348; glabra 67:348; 69:437; globosa 67:348; lima 67:348; nitida 69:437; obliqua 69:375, 437; polycephala 67:348; 69:437; rickseckeri 67:348; 69:438; rupicola 67:348; sebestena 67:348; 69:438; stenophyllum 67:348; sulcata 69:438; ulmifolia var. ovata 69:437; wagnerorum 69:375
Cordyline guineensis 67:324
Corema conradii 72:14, 521, 529
Coreopsis 75:17; angustifolia 66:381; 71:34; basalis 60:26; cordifolia 71:357-358; coronata 71:398; crassifolia 71:398; delphinifolia 69:452; delphiniifolia 69:452; drummondii 60:26; georgina var. nuda 71:360; var. pruinosa 71:398; grandiflora

var. longipes 56:162; lanceolata 71:34; leavenworthii 57:279, 289; major 71:34; mutica 64:257, 268; pubescens 71:34; rosea 63:236; tinctoria f. atropurpurea 53:133; tripteris 61:167; var. deamii 54:130; verticillata 60:126
Coriaria atropurpurea 74:249; cuneifolia 74:250; japonica 74:246; microphylla 74:249-250; myritfolia 74:244, 246; nepalensis 74:246; phylicifolia 74:249; ruscifolia 74:245-246, 248; subsp. microphylla 74:245, 249; subsp. ruscifolia 74:246, 248; terminalis 74:245, 247; thymifolia 74:249-250
Coriariaceae 75:242
Corispermum hyssopifolium 60:300, 305; 72:285
Cornaceae 52:296; 55:178; 75:319
Cornicularia ochroleuca 54:277
Cornucopiae hyemalis 68:438
Cornus 52:227; alternifolia 52:296; 55:179; 57:322; 58:247; 60:68; 67:374; 72:522; amomum 52:296; 61:21; 72:79; subsp. microcarpa 75:396; canadensis 55:45-46, 178, 295; 65:23, 84, 93; 67:402; 70:278-279, 280 (pl. 1381), 281; 72:522; 75:319; f. alpestris 70:279; f. elongata 70:278-279, 281; f. purpurascens 70:278; var. alpestris 70:279, 281; var. intermedia 70:278-279; ×suecica 70:279; florida 51:155; 54:64, 132; 56:84, 87 (map 6); 58:39; 60:206; 63:66-67, 146; 64:136; 66:312; 70:568-569; 71:437; 72:11; 73:501, 504, 506, 508, 510; cv. rubra 70:570; cv. xanthocarpa 70:568-569; f. rubra 54:256; 70:570; f. xanthocarpa 70:568; var. urbiniana 56:84; purpusii 75:396; racemosa f. **nielseni** 52:58; rugosa 53:9; 55:179; sericea 55:178; stolonifera 51:111; 52:296; 55:42, 47, 178; 61:26; 65:93; 72:522; var. baileyi 55:178; suecica 53:50; 54:227; 70:278-279; ×unalaschkensis 58:247; 70:278-279
Coronaria flos-cuculi 52:243
Coronopus didymus 53:22; 63:48, 55; 67:331; procumbens 63:48, 55
Cortaderia 68:99, 231; bifida 68:231-232; var. grandiflora 68:232; rudiuscula 68:231-232
Coryanthes macrantha 59:281
Corydalis aurea 53:158; 63:47, 53; subsp. aurea 55:152; bulbosa 70:296-298; flavula 55:225; 58:318; 63:47, 53; intermedia 70:297; pauciflora 65:217; sempervirens 53:12; 55:46, 152; 63:47, 52; 72:517; f. **candida** 52:47; solida 70:297; subsp. solida 70:298
Corylaceae 52:293; 55:143; 58:127; 71:514
Corylus americana 58:128, 132; 60:67; 69:458; f. missouriensis 51:155; 58:128; cornuta 55:45-46, 143; 58:128, 130; 67:373; heterophylla 58:128
Corynella dubia 51:382; pauciflora 67:333
Corynophlaeaceae 71:125; 75:269
Coryphantha deserti 56:211; missouriensis 70:33; vivipara 70:33
Coscinodiscaceae 63:280
Coscinodon raui 52:75
Cosmarium 63:278-279; amoenum 63:278; var. tumidum 63:278; bioculatum 63:278; 71:452; biretum var. trigibberum 64:54; boeckii 63:278; botrytis 63:278; 64:54; broomei 63:278; 64:54; circulare 63:278; coelatum 63:278; connatum 63:278; contractum 63:278; var. papillatum 71:452; dentiferum 64:54; excavatum 63:278; formosulum 64:54; var. nathorstii 64:54; galeritum 63:278; globosum 63:278; gonatum 63:279; granatum 64:54; impressulum 63:278; intermedium 63:278; margaritaceum 64:54; margaritatum 63:278; meneghinii 63:279; moniliforme 63:278; monomazum 64:54; nitidulum 63:279; 64:54; orbiculare 63:279; orbiculatum 64:54; ornatum 63:279; var. protractum 63:279; pachydermum 63:279; panamense 64:54; portianum 63:279; protractum 64:54; pseudoconnatum 63:279; 64:54; punctulatum 63:279; 64:54; 71:454; pyramidatum 63:279; quadrum 63:279; 64:54; regnelii 63:279; regnesii 63:279; reniforme 63:279; 64:54; repandum f. minor 63:279; speciosum 63:279; sullobatum 63:279; tumidum 63:279; undulatum 63:279; var. minutum 63:279; var. wollei 63:279; viride 63:279
Cosmocladium hitchcockii 64:54
Cosmos 51:6; 69:448; 71:319, 369; bipinnatus 60:26; 71:412; caudatus 62:124 (fig. 5), 125; 69:448; concolor 71:319; diversifolius 63:127; 64:268; 71:319, 411; palmeri var. palmeri 65:229, 232 (fig. 21), 237; sulphureus 54:259; 69:448
Costaricia werckleana 63:75-76, 77 (pl. 1256), 78
Cottendorfia rusbyi 71:223
Cotula coronopifolia 53:270; 72:378; plumosa 75:241
Couroupita 69:432; guianensis 69:432

Coursetia brachyrhachis 51:381; glandulifera 51:382; mollis 51:382; ochroleuca 51:382
Cowania stansburiana 53:204
Cracca 51:197-199, 205-208, 222, 233, 315, 380-382; 69:412; adunca 51:377; affinis 51:256; ambigua 51:305, 316; angustifolia 51:276; angustissima 51:305, 377; aniloides 51:380; arcuata 51:242; astragalina 51:380; axillaris 51:353, 355; benensis 51:378; bicolor 51:380; bracteolata 51:376; brandegei 51:378; brevipes 51:378; 69:373; californica 51:284, 287; calva 51:256, 258-259; cana 51:284; caribaea 51:380; 67:333; 69:412; var. edwardsii 51:380-381; var. landulifera 51:380; f. dubia 51:381; carpenteri 51:312, 314; cathartica 51:378; 67:333; chapmanni 51:312, 314; chrysophylla 51:311, 316; chapmannii 312; cinerea 51:378; 67:333; collina 51:381; constricta 51:381; conzattii 51:259; corrallicola 51:378; corumbae 51:381; crassifolia 51:353; cuernavacana 51:261; curtissii 51:378; decumbens 51:378; diversifolia 51:369; dolichocarpa 51:381; domingensis 51:378; edwardsii 51:381; var. glabella 51:381; var. sericea 51:381; filiformis 51:381; flexuosa 51:293, 297; floridana 51:315-317; foliolosa 51:246; frutescens 51:381; glabrescens 51:381; glandulifera 51:382; gracillima 51:305; grandiflora 51:372; greenmannii 51:382; hamata 51:288-289; heterantha 51:382; heydeana 51:242; hirta 51:378-379; hispidula 51:299; holosericea 51:267, 276; hypoleuca 51:338-339, 372, 378-379; intermedia 51:315-317; kuntzei 51:382; lanata 51:353, 356; langlassei 51:345; latidens 51:267, 275; leiocarpa 51:256; leptostachya 51:378; leucantha 51:262, 264-265; leucosericea 51:267; lindheimeri 51:321; littoralis 51:379; lupinoides 51:360; macrantha 51:247; madrensis 51:320; major 51:361; micheliana 51:361; micrantha 51:382; mohrii 51:267, 275; mollis 51:382; multifolia 51:242; nicaraguensis 51:332; nitens 51:336; noctiflora 51:379; ochroleuca 51:382; onobrychoides 51:276, 280; oroboides 51:382; pachypoda 51:360; palmeri 51:288; perriniana 51:378-379; piscatoria 51:379; platyphylla 51:371; potosina 51:324; pringlei 51:330; pumila 51:382; purpurea 51:233, 379; 69:373; rhodantha 51:262, 264; roseana 51:262, 264; rugelii 51:290; rusbyi 51:379; schiedeana 51:251; schottii 51:379; seemanni 51:328; senna 51:380; sericea 51:351, 381-382; smallii 51:315; sp. 51:205, 208; spicata 51:292; flexuosa 51:293; var. flexuosa 51:293; stipularis 51:382; submontana 51:335; syriaca 51:198; talpa 51:332; tenella 51:380; tepicana 51:318; texana 51:276, 280; thurberi 51:265; toxicaria 51:249; velutina 51:353, 360, 382; venosa 51:382; vicioides 51:380; villosa 51:380; δ cinerea 51:380; virginiana 51:267, 275, 292; holosericea 51:267; vogelii 51:376; wallichii 51:380; watsoniana 51:351
Crafordia 51:234; bracteata 51:234, 380
Cranichis diphylla 67:325; grandiflora 59:248; tenuis 58:290
Crantzia ambigua 67:352
Crassina elegans 67:355; multiflora 67:355
Crassulaceae 53:89-90; 56:96; 63:50-51; 69:408; 72:460, 462; 75:318; trib. Anomalae 53:89; trib. Diamorpheae 53:89
Crataegus 52:295; 54:14, 17; 69:306; 72:565; 75:298; anomala 69:307; arnoldiana 69:307; basilica 69:307; beckwithiae 69:307; biltmoreana 69:307; brainerdii 69:307; var. asperifolia 69:307; var. cyclophylla 69:307; var. egglestoni 69:307; var. scabrata 69:307; brumalis 69:307; brunetiana 69:307; var. fernaldii 69:307; chadsfordiana 69:307; chrysocarpa 69:307; 72:519; var. bicknellii 69:307; var. phoenicea 69:307; coccinea var. macracantha 51:111; collina 62:240; 63:20; columbiana 55:54; var. piperi 55:80, 166; crus-galli 60:320; 69:307; var. exigua 69:308; dilatata 69:308; dodgei 69:308; douglasii 52:276; 55:54, 80, 167; faxoni 69:308; var. praetermissa 69:308; flabellata var. grayana 69:308; foetida 69:308; fretalis 69:308; holmesiana 69:308; var. villipes 69:308; idaea 69:308; insolens 69:308; intricata 69:308; var. straminea 69:308; irrasa var. blanchardii 69:308; jesupi 69:308; jonesae 69:308; 72:519; lemingtonensis 69:308; levis 69:308; littoralis 69:308; macrosperma 69:308; 72:519; var. acutiloba 69:308; var. demissa 69:308; var. matura 69:308; var. pentandra 69:308; media 69:308; membranacea 69:308; monogyna 69:308; 72:13; oakesiana 69:308; oxyacantha 69:

308; pedicellata 69:308; var. albicans 69:308; phaenopyrum 69:308; pilosa 69:308; porteri var. caerulescens 69:309; pringlei 69:309; var. exclusa 69:309; pruinosa 69:309; var. dissona 69:309; var. latisepala 69:309; punctata 69:309; var. aurea 69:309; randiana 69:309; rotundata 69:309; rugosa 69:309; schizophylla 69:309; shirleyensis 69:309; spatiosa 69:309; stonei 69:309; submollis 69:309; suborbiculata 69:309; succulenta 69:309; 72:519; var. macracantha 51:111; 69:309; var. neofluvialis 69:309; uniflora 73:488, 492, 503, 505; websteri 69:309
Crataeva gynandra 69:373; tapia 69:373
Craterospermum 64:57
Cratoneuron filicinum 59:26; 62:163
Creonectria atrofusca 65:303
Crepis 54:17; capillaris 55:19; 67:197; 71:174; 74:394; nana 54:141; 55:252; 65:223; pulchra 51:145; 60:26; tectorum 53:129; 74:394
Crescentia 69:442; cujete 69:442
Cressa truxillensis 52:20, 137
Cristaria coccinea 70:41
Critonia hebebotrya 74:503; portoricensis 67:355
Crocanthemum 51:366; 67:201; 69:184-186, 192; sect. Lecheoides 67:68, 201; sect. Spartioides 67:68, 201; 69:192; aldersonii 67:279; arenicola 67:264; argenteum 67:305; berlandieri 67:260; bicknellii 67:269; brasiliense 67:65; 69:186; canadense 51:366; 67:255; carolinianum 67:65, 201, 212; 69:186; corymbosum 67:288; domingense 67:302; dumosum 67:214; exaltatum 67:289; georgianum 67:291; glomeratum 67:299; majus 67:269, 272; nashii 67:266, 268; nutans 67:284; occidentale 67:276; pringlei 67:294; propinquum 67:274; rosmarinifolium 67:302; scoparium 67:279; stenophyllum 67:302; stipulatum 67:70, 291, 293; thyrsoideum 67:266, 268
Crocus 51:6; vernus 53:82, 88
Crookea 63:10; microsepala 59:76; 63:15; 64:152
Croomia 51:125
Croptilon 62:63; divaricatum 67:217-218, 231; var. divaricatum 67:218; var. hirtellum 67:218, 229; var. hookerianum 62:321; 67:218, 235; hookerianum 62:321; 67:325
Crossandra 69:443; infundibuliformis 69:443
Crossopetalum 69:421; rhacoma 67:338; 69:421
Crotalaria 69:412; angulata 64:89; berteriana 69:373; breviflora 71:550; incana 57:286; 69:412; 73:50; lanceolata 75:391; latifolia var. eggersii 69:373; linaria 57:286; maritima 64:89; mucronata 69:373; retusa 69:412; rotundifolia 57:286; 64:89; 73:493; sagittalis 57:267; 61:268; 64:91; var. fruticosa 69:373; saltiana 67:333; 69:373; stipularis 63:18; striata 57:279, 286; 63:18; 67:333; 69:373; verrucosa 69:412
Crotalus lepidus 71:69
Croton 69:389, 419; **abruptus** 62:77, 79; alabamensis 71:94, 95 (map 1), 96 (fig. I), 97, 98 (fig. II), 99-100, 101 (fig. III); 75:371; argyranthemus 73:494; astroites 69:419; betulinus 69:419; capitatus 64:157 (fig. 20); 71:32; 73:494; 74:382; var. lindheimeri 60:17; 64:151, 157 (fig. 20); discolor 75:417; eluteria 66:13; engelmanni 60:17; floridanus 57:286; 72:22; glandulosus 72:21-22; 73:111; var. **floridanus** 72:21-22; var. glandulosus 72:21; var. septentrionalis 72:22; 74:382; var. simpsonii 72:21-22; lindheimeri 60:17; linearis 75:417; lobatus 69:419; monanthogynus 74:382; ovalifolius 69:393, 419; punctatus 70:225; rigidus 69:419; suaveolens 62:77; texensis 74:144; trinitatis 67:337
Cruciferae 52:294; 54:85, 182, 260; 55:152; 63:47, 211; 64:150; 71:563; 75:318, 416, 622
Crucigenia rectangularis 71:454; truncata 64:54
Cruoriaceae 72:214
Cryphaea glomerata 53:119, 127
Cryptantha celosioides 70:32; jamesii var. multicaulis 51:20; macounii 63:44; thyrsiflora 56:208, 211
Cryptocolea imbricata 60:223
Cryptogramma crispa 64:210; stelleri 55:53, 79, 100; 56:244; 61:22; 68:413 (fig. 7, map), 417; 70:180, 187
Cryptomeria japonica 73:213
Cryptomonas erosa 71:470; var. reflexa 71:470; marssonii 71:470; ovata 71:470
Cryptonemiales 71:133; 72:208; 73:283
Cryptophila pudica 59:260
Cryptophyceae 71:470
Cryptospora pulviniceps 71:194
Cryptostegia 69:435; grandiflora 57:287; 69:435
Cryptotaenia canadensis 64:230
Ctenidium molluscum 62:167; procerrimum 54:51
Ctenitis effusa 67:359; **excelsa** 63:34;

hirta 67:359; nemorosa 67:359; protensa 63:34; var. **funesta** 63:34; subincisa 67:359
Ctenium aromaticum 51:127; 71:31
Ctenomeria 69:242
Cuchumatanea 68:139; **steyermarkii** 68:139, 140 (figs. 1-4, 6-11), 143-144
Cucumis 69:447; anguria 69:447; sativa 69:447
Cucurbita lagenaria 67:354; 69:447; moschata 67:354
Cucurbitaceae 55:194; 67:354; 69:446; 72:37
Cucurbitaria echinata 71:194-195; seriata 65:303-304; setosa 71:194; ulmicola 61:106
Cudonia 56:108
Cudoniella 56:108
Culcita coniifolia 66:111
Cupania 69:422; americana 69:393
Cuphea 52:185, 187; 71:481, 485-486, 492; sect. Heterodon 52:186; 71:481, 492; sect. Leptocalyx 71:481, 492; ser. **Bustamantae** 71:481-482, 492; ser. 3 71:482; asper 52:185; balsamona 60:19; bustamanta 71:481-482, 483 (fig. 1), 485-486, 489; f. reipublicae 71:484-485; var. reipublicae 71:485; calaminthifolia 71:481-482, 483 (fig. 2), 487, 489-492; carthagenensis 52:185; 60:19; 68:423; 71:33; 75:393; corniculata 71:481, 487, 489-491; debilis 71:481, 487, 490-491; imberbis 71:481, 487, 490-492; koehneana 71:492; micrantha 67:342; parsonsia 67:342; paucipetala 71:492; petiolata 52:185-187; 68:423-424; procumbens 52:185-186; reipublicae 71:482, 484-485; viscosissima 52:185-186; wrightii 52:185
Cupressus 56:256; arizonica 73:375; sabinoides 56:169-170, 175, 177
Curcas curcas 67:337; 69:420; hernandiaefolius 67:337
Curculigo capitulata 69:373
Curtia gentianoides 57:104
Curvularia inaequalis 73:308
Cuscuta 69:436; 73:375; americana 69:436; **attenuata** 73:575-576; campestris 54:257; 55:225; 57:287; 60:66; 67:348; compacta 73:575; cuspidata 73:575; glabrior 52:37; glandulosa 67:348; globulosa 67:348; 69:436; glomerata 63:44; gronovii 71:33; 72:524; obtusiflora var. glandulosa 67:348; pentagona 67:348; sp. 69:435-436; verrucosa 52:37
Cuscutaceae 67:347
Cyanophyceae 71:116, 447; 74:411, 447; 75:54
Cyanophycophyta 75:260, 282, 293-294
Cyanophyta 63:280; 66:224; 67:252; 71:116; 73:267
Cyanus segetum 74:344
Cyathea 70:2; 75:144, 323; aquilina 67:356; arborea 69:393; 71:13; attenuata 73:17; bicrenata 71:15; bonapartii 73:16; borinquena 67:356; bourgaei 73:11; brunei 73:13, 15; caesia 73:13; caribaea 63:32; crassipes 73:16; escuquensis 67:356; gardneri 73:17; glauca 73:11; grandifolia 63:32; hirsuta 71:14; **hodgeana** 63:31; horrida 67:356; 73:11; imrayana var. **caribaea** 63:32; incurvata 73:17; insignis 73:9; mamillata 73:17; mexicana 73:11; moniliformis 73:9-10; munchii 73:12; panamensis 74:450; princeps 73:1, 11; pubescens 74:445; quindinensis 73:15; **steyermarkii** 74:448 (figs. 17-19), 449-450; tannaysiana 73:17-18; weatherbyana 75:144; wilsoni 67:356; youngensis 73:16
Cyatheaceae 67:356; 71:7; 74:441
Cyclanthaceae 65:1
Cyclodium meniscioides 74:447
Cycloloma 59:160; atriplicifolium 59:160; 60:14, 300, 305; 68:519
Cyclospermum leptophyllum 67:344
Cyclotella bodanica 64:54; 71:467; var. stellata 64:54; compa 71:467; comta 64:54; glomerata 71:467; stelligera 71:467
Cydonia oblonga 64:357
Cylindrocapsa 64:57; geminella var. minor 63:276
Cylindrocapsaceae 63:276
Cylindrocephalum sp. 73:308
Cylindrocystis americana 63:278; brebissonii 58:119; 63:278; cylindrospora 58:119
Cylindrospermum 64:57; catenatum 67:252; marchicum 67:252
Cymbalaria muralis 53:270
Cymbella aspera 64:54; sp. 63:280; tumida 64:54; ventricosa 71:467
Cymbellaceae 63:280
Cymbopogon bequaertii 52:249
Cymodocea manatorum 67:317
Cymodoceaceae 67:317
Cymophora 70:241; pringlei 70:241
Cymophyllus 75:248; **fraseri** 75:252-253
Cymopterus fendleri 74:83; macrorhizus 54:128
Cynanchum 69:435; **aemulans** 62:237; anegadense 67:346; astephanoides 62:238; cheesmanii 67:346; **crassiusculum** 62:237; decaisneanum 67:346; 69:435; **domingense** 62:237;

ekmanii 62:237; ephedroides 67:346; **glabrius** 62:237; **gonnavense** 62:237; **gracile** 62:238; graminifolium 75: 420; **grisebachianum** 67:346; **haitiensa** 62:238; **inaguense** 66:13; **leptocladum** 62:238; **leptophyllum** 62:238; lineare 67:346; monense 67:345; nigrum 53:240; **occidentale** 62:238; palustre 57:287; parviflorum 67:346; 69:435; **picardae** 62:238; scoparium 57:287; **stenoglossum** 62: 238; **tylophoroides** 62:238
Cynoctonum 64:147; 72:27; **angustifolium** 72:28; mitreola 52:36; 57: 287; 64:91, 152; 72:28, 30; sessilifolium 52:265; 64:89; 71:33; 72:28, 30; var. angustifolium 72:28-29; var. **microphyllum** 72:28; var. sessilifolium 72:28; succulentum 72: 28-30
Cynodon 68:98, 283; dactylon 56:180; 57:283; 61:248; 62:181; 67:319; 68:283
Cynodontium schistii 64:124
Cynoglossum boreale 51:6, 8; 53:14; 55:187; furcatum 67:349; glomeratum 70:32; virginianum 53:13
Cynomarathrum saxatile 60:269
Cynosciadium digitatum 52:36; 74:148
Cynosurus cristatus 54:224; 72:510; echinatus 58:43; 59:17
Cypella 64:291-292, 303; coriifolia 64: 306; cyrtophylla 64:295; goodspeediana 64:311; grandis 64:304; lutea 64:308-309
Cyperaceae 52:293; 55:126; 63:211; 64:148, 168; 65:26, 29; 66:11; 67:97, 320; 68:450; 69:306; 70:222; 71:31, 62; 73:48-49; 75:114, 315, 413; subfam. Caricoideae 74:329; subfam. Rhynchosporoideae 64:349-350; trib. Dulichieae 64:349
Cyperus 67:97; 72:535; 75:413; acuminatus 66:280; aristatus 70:399, 403-405; 75:413; brevifolius 51:119-120; 65:26, 32-33; 67:320; brunneus 67:320; calcicola 67:320; cayennensis 67:320; compressus 52:22; densicaespitosus 67:320; dentatus 64:349; 65:26, 30; 73:255; 75:379; diandrus 65:26, 30; 66:280; difformis 67:320; 72:284; 75:379; diffusus 74:328; digitatus 67:320; eggersii 67:320; engelmannii 65:26, 32-33; 74:142; erythrorhizos 51:11; 60:317; 65:26, 31; 74:142; esculentus 65:26, 30; 72:285; 74:143; fendlerianus 74:83; ferax 67:320; 73:48; ferruginescens 64:352-353; 65:26, 33; 74:143; filicinus 55:290; 65:26, 32; filiculmis 53:267; 65:26, 31; var. macilentus 51:10; 53:267; 65:26, 30; filiformis 67:320; flavescens 73:105; var. poaeformis 52:22, 255; 60:206; 69:452; var. poiformis 69:452; flavus 67: 320; flexuosus 67:320; fuscus 65:26, 29; 71:433; globulosus 57:284; 75: 414; granitophilus 70:394, 397 (fig. 5, map), 399, 403-405; granularis 67:320; grayii 54:167; 65:26, 32; 71:23; grayioides 63:20; 65:81; houghtonii 65:26, 33; 74:294; imbricatus 67:320; incompletus 67:320; inflexus 65:26, 31; 70:403; iria 67: 320; 74:142; lancastriensis 56:228; 74:142; lecontei 52:255; ligularis 57:284; 73:49; martindalei 57:284; mutisii 67:320; nanus 67:320; var. subtenuis 67:320; obtusatus 67:320; odoratus 64:353; 65:26, 32; 66:11; 67:320; ovularis 65:26, 29; 73:498; pedunculatus 67:320; peruvianus 67: 320; planifolius 57:284; 67:320; polystachyos 67:320; 70:225; var. texensis 56:159; 57:284; 65:26, 32; pseudovegetus 57:284; radiatus 67: 320; retrofractus 73:111, 498; rivularis 65:26, 30; rotundus 57:284; schweinitzii 56:228; sp. 70:32; strigosus 57:284; 60:67; 65:26, 30; 71: 168; 73:255; 74:143, 294; var. robustior 65:26, 33; swartzii 67:320; tenuis 67:320; unifolius 67:320; unioloides 67:320; vahlii 67:320; ×weatherbianus 64:349-350; 65:26, 33
Cypripedium 68:53; acaule 52:44, 293; 53:82, 84; 55:140; 65:23, 90; 67:373, 402; 71:108; 72:142, 143 (fig. 1), 514; f. acaule 69:31; 71:168; f. albiflorum 53:82, 160; 69:31; 72:142; ×andrewsii 68:53, 56-57, 461-462; arietinum 52:44; 53:82, 86; 55: 78, 139; 56:203; calceolus 54:201; 71: 303; 75:491; subsp. parviflorum 75: 491; var. calceolus 62:231; var. parviflorum 52:43; 53:7, 82, 85; 55:82, 139; 56:203; 62:231; 68:53-57; var. pubescens 52:43; 53:82, 85; 62:232; candidum 68:53-57, 461; ×favilllianum 68:462; guttatum 75:491; ×landonii 68:462; parviflorum 52: 43; 55:139; passerinum 75:491; reginae 51:12; 52:62; 53:82, 85; 54: 209; 56:246; 67:375
Cyrilla paniculata 66:19; racemiflora 52:263; 64:151; 70:290; 71:32
Cyrillaceae 64:147, 151; 71:32
Cyrtospadix bicolor 67:323
Cyrtosperma johnstonii 62:252, 256
Cystoclonium 75:556, 585; purpureum 66:226; 71:127, 135; 72:117; 74:269; var. cirrhosum 66:226; 72:200-201, 214, 232, 237, 323, 333; 74:422

Cystoderma 71:178; amianthinum var. amianthinum 71:180; f. rugosoreticulum 71:180; var. sublongisporum 71:180; pulveraceum 71:180
Cystopteris baenitzii 63:181; bulbifera 51:148; 57:224, 228, 229 (fig. 16), 230, 236, 239; 58:79-80, 81 (fig. 1b), 81-82, 84, 87; 62:142; 63:185, 192; 67:92; 70:180, 187; 73:462-463; dickieana 54:164; 57:224, 228, 229 (fig. 18), 231, 236, 239; 58:79, 321, 324; 63:40, 181-182, 187; fragilis 51:109, 167; 54:48, 164; 55:97; 57: 224, 228, 229 (fig. 17), 230-231, 236, 239; 58:79-80, 82, 87; 63:181-183, 185, 189; 71:504; 72:508; 75:239: f. dentata 53:130; f. simulans 57: 228; var. fragilis 58:79, 83; 63:182 (fig. 1), 186 (fig. 2, map), 192; var. laurentiana 55:53, 76, 97; 58: 79; 63:186, 188, 192; 68:413 (fig. 7, map), 417; 70:181, 184; var. mackayii 55:53, 97; 58:79-80, 82-87, (pl. 1224); 63:186, 188, 192; var. protrusa 58:79-80, 81 (fig. 1a), 82-87, (pl. 1224); 63:186, 188, 192; var. simulans 57:220, 224, 228, 229 (fig. 19), 230, 236, 239; 58:79-80, 85; 63: 186, 192; var. tennesseensis 57:224, 229 (fig. 20), 230, 236, 239; 58:79-80; 63:186, 192; montana 53:7; 54: 141; 58:87; 63:185, 192; 64:210; tennesseensis 57:228
Cytisus 51:249; rhombifolius 70:34; sessiliflorus 51:380
Cytospora sp. 73:308

Dactylina arctica 56:156
Dactylis glomerata 60:65; var. ciliata 72:510; var. glomerata 72:510
Dactylococcopsis smithii 67:252
Dactyloctenium 68:100, 283; aegyptium 56:180; 57:283; 68:283; 70:32
Dahlia 71:309-315, 318-319, 321, 340, 359, 362, 364, 367, 384, 392, 397, 405-406; sect. Dahlia 71:313, 322-323, 352; sect. **Entemophyllon** 71: 313, 322-323, 340-341, 348, 357; sect. Epiphytum 71:313, 322-323, 338; sect. Neocaulon 71:352; sect. Pseudodendron 71:313, 322, 326, 410; acutiflora 71:410; **apiculata** 71:313, 323, 342, 352, 356-357, 361 (map 5); arborea 71:330; astrantiaeflora 71:410; **atropurpurea** 71:313, 325, 365, 375-376, 377 (fig. 7); **australis** 71:313, 315, 325, 355, 376, 378-381, 383, 386, 388, 390, 393, 565; var. australis 71:313, 316, 379, 380 (map 6), 381-384, 386-387, 393, 565; ×coccinea 71:317 (fig. 1); var. **chiapensis** 71:313, 325, 379, 380 (map 6), 384, 385 (fig. 8), 386-387, 393; var. **liebmannii** 71:313, 326, 379, 380 (map 6), 383-384, 393; var. **serratior** 71: 313, 324-325, 379, 380 (map 6), 386-387, 393; barkerae 71:314, 326, 368-369, 375, 392 (map 7), 393-396; bidentifolia 71:397; **brevis** 71:313, 319, 326, 368-369, 382, 395; cardiophylla 71:313, 326, 357-359, 376; cervantesii 71:398; chisholmii 71: 398; coccinea 71:309-310, 314-316, 326, 352, 362-364, 397-399, 401 (map 8), 405-410; var. coccinea 71: 399, 405; var. gentryi 71:399, 405, 407; var. palmeri 71:399, 405-408; var. steyermarkii 71:399, 405-407; coronata 71:314, 398; cosmaeflora 71:352; crocata 71:397-398; crocea 71:398; decaiseana 71:352; dissecta 64:268; 71:313, 315, 334, 340, 343, 348-349, 351, 355, 382; var. dissecta 71:313, 323, 340, 343 (map 3), 344, 349, 351; var. **sublignosa** 71:313, 323, 343 (map 3), 344, 350 (fig. 4), 351; dumicola 71:330; excelsa 71: 313, 323, 327-330, 338, 371; var. anemonaeflora 71:327; foeniculifolia 71:313, 323, 340, 343 (map 3), 344-345, 348; frustranea 71:398; fulgens 71:410; gentryi 71:398-399; gigantea 71:410; glabrata 71:352; gracilis 71:398; hintonii 71:313, 326, 372-373, 375; imperialis 71:309, 313-314, 323, 326, 328-330, 332 (map 1), 334-335, 338-339, 355, 363, 382; juarezii 71:410; lehmannii 71:326, 330, 334-335; var. leucantha 71:330, 333; linearis 71:312-313, 315, 323, 343 (map 3), 344-345, 348; macdougallii 71:309, 313, 321, 323, 338-339; maximiliana 71:330, 371; maxonii 71:330; merckii 71:313-316, 317 (fig. 1), 321, 323, 326, 334, 341, 352, 354 (map 4), 355-356, 382, 393, 411; **mollis** 71:313, 324, 361 (map 5), 373, 374 (fig. 6), 375; moorei 71:313, 322, 324, 372; pinnata 71:310, 313-314, 316, 317 (fig. 1), 321, 325, 352, 359-360, 361 (map 5), 362-365, 368-369, 376, 411; var. cervantesii 71:398; var. coccinea 71:398; var. gracilis 71:398; var. nana 71:359; var. variabilis 71:360; platylepis 71:410; popenovii 71:398; pteropoda 71:313, 324, 367-368; pubescens 71:368-369, 395-396, 410; purpurea 71:360, 410; purpusii 71:313, 326, 358-359; pusilla 71:411; repens 71:411; rosea 71:310, 362, 411; royleana 71:411; **rudis** 71:313, 324, 365, 369, 370 (fig. 5), 373, 376; **rupicola** 71:313, 315-316, 317 (fig. 1), 323, 340, 343

(map 3), 344-346, 347 (fig. 3), 348; sambucifolia 71:359; scapigera 64: 268; 71:309, 314, 319, 326, 334, 342, 355, 382, 388, 390-391, 392 (map 7), 393-394, 396; var. arsenii 71:369, 393-395; var. australis 71:381-382, 393, 565; f. australis 71:381-382, 393, 565; f. purpurea 71:381-382, 393; var. liebmannii 71:383, 393; var. scapigera 71:393; f. merckii 71:352, 355, 393; f. scapigera 71: 313; f. serratior 71:386, 393; var. typica f. typica 71:391; scapigeroides 71:313, 323, 341-342, 343 (map 3), 344, 357; var. apiculata 71:342, 356-357; var. typica 71:341; **sherffii** 71:314, 325, 376, 379, 380 (map 6), 381-382, 387-388, 389 (fig. 9), 390, 393; sphondyliifolia 71:411; superflua 71:360; **tenuicaulis** 71:313, 323, 329, 335, 336 (fig. 2), 337 (map 2), 338-339; tenuis 71:314, 326, 396; variabilis 71:312, 314, 360, 362, 411; var. excelsa 71:327; zimapani 71: 411
Dalbergia 51:380; 69:412; escastophyllum 57:281, 286; 67:334; 69:412; gummifera 70:514; laevigata 70: 500; monetaria 67:334
Dalea alopecuroides 52:299; aurea 57: 291; 70:35; candida 70:47; cathaginensis 69:353; compacta 62:95; domingensis 67:333; 69:353; ennеandra 57:291, 293; 58:287; 70:35, 431-432; formosa 51:20, 24; 56:208; hallii 56:25; jamesii 51:20; laxiflora 57:293; 58:287-288; 70:35, 432; mutisii 51:381; nana 52:170; parviflora 70:30; purpurea 70:47; reverchonii 56:25
Dalechampia 69:419; scandens 69:419
Dalibarda repens 65:23; 69:309, 316; 72:520
Danthonia 68:103, 245; cirrhata 68: 245; compressa 72:510; sericea 56: 28, 181; 73:111, 498, 512, 514; spicata 52:293; 55:123-124; 62:94; 63:41; 65:88; 75:315; var. pinetorum 55:46, 80, 122-124; var. spicata 72: 510; thermalis 55:123
Daphne blagayana 64:278, 280; collina 64:278; mezereum 67:196; odora 64: 277, 279; petraea 64:278; sericea 64:278
Daphnidostylis fendleriana 74:83
Daphnopsis americana 64:278; subsp. caribaea 64:279-280; 69:375; caribaea 69:375
Dasiphora fruticosa 62:260
Dasistoma macrophylla 64:331 , 333, 334 (pl. 1272)
Dasya 75:546-547, 549; pedicellata 71:528; 72:200, 225, 231-233, 237; 75:279, 546-547, 599 (figs. 22-23)
Dasyaceae 72:225; 75:279
Dasystephana latifolia 56:135
Dasystoma calycosa 51:84; 62:131
Datura 69:441; candida 67:351; fastuosa 67:351; innoxia 67:351; 69:441; metel 67:351; 69:441; quercifolia 56:161; stramonium 63:149; 69:441; suaveolens 67:351
Daucus carota 51:26; 60:65; 63:149; 69:433; 71:20, 26; 72:522; 73:461; pusillus 51:26; 52:265
Decachaeta 71:579; ovatifolia 74:504, 506
Decodon verticillatus 51:111, 117; 54:250; 55:15; 64:91; var. laevigatus 51:111; 72:522
Deianira erubescens 71:548, 550
Delamarea attenuata 71:126
Delesseria alata 66:249-250; var. angustissima 66:242 (fig. 3), 247, 250; angustissima 66:236, 244 (fig. 6), 245, 247, 249-250; baerii 66:234-235, 245-247, 250; var. corymbosa 66:246; corymbosa 66:235, 245-247; rostrata 66:246-247
Delesseriaceae 71:137; 72:224; 74:270; 75:279
Delonix 69:411; regia 69:411; 73:50
Delphinium 51:6; ajacis 62:110, 115; 63:43; brachycentrum 65:216; 71: 505; consolida 62:110, 116; exaltatum 54:253; glaucum 53:158; penardi 52:168; tricorne 66:312; virescens 52:168; 75:136; subsp. penardi 52:168; subsp. wootoni 52:168
Dendrobium 59:242; nobile 53:69
Dendropanax 69:432; arboreum 69: 432
Dendropemon 69:401; bicolor 67:328; caribaeum 67:328; 69:401; purpureum 67:328; sintenisii 67:328
Dendrophthora flagelliformis 67:328; wrightii 67:328
Dendropogon usneoides 67:323
Dennstaedtia adiantoides 67:360; ampla 63:76; arborescens 63:78, 80; bipinnata 67:360; cicutaria 67:360; distenta 63:78; 64:348; divaricata 63:78; elmeri 63:76; erosa 63:78; glabrata 63:76; grandifrons 63:78; munchii 63:78; obtusifolia 63:78, 80; 67:360; orbignyana 63:80; ordinata 67:360; punctilobula 57:236; 63:149; 65:87; 67:377; 72:508; 75: 314; rubiginosa 67:360; scabra 63: 76; vagans 63:80
Dentaria 51:53; 57:161, 165 (fig. 6, map); 59:179-180; anomala 57:162; 63:49, 53-54; bulbifera 57:167-168; californica 57:167; concatenata 57:

163; digitata 54:260; diphylla 53:7; 57:161, 164, 165 (figs. 3, 6, maps), 166-169, 171-172, (pl. 1206); 58:160; 59:179 (fig. 2, map), 180-181; 63:49, 52; 73:462; ×maxima 57:161; dissecta 57:165; glandulosa 57:169; **heterophylla** 57:161, 164, 165 (figs. **1**, 2, 6, maps), 166-168, 171-172, (pl. 1206); 59:179 (fig. 2, map), 180-181; incisifolia 57:161; 63:49, 53; laciniata 55:156, 226; 57:161, 163-164, 165 (figs. 4, 6, maps), 166-169, 171-172, (pl. 1206); 58:83, 160; 59:179 (fig. 1, map), 180-181, 267-269; 61: 269-270; 63:49, 53; 66:312; 75:158, 160; var. alterna 57:163; var. coalescens 57:164; var. furcata 57:164; var. integra 57:164; var. lasiocarpa 57:164; var. latifolia 57:164; var. opposita 57:163; ×diphylla 57:161; ×heterophylla 57:162; ×maxima 57:161; macrophylla 57:167; maxima 57:161, 163-164, 165 (figs. 5-6, maps), 166-169, 171-172, (pl. 1206); 63:49, 53; multifida 57:161, 164, 165 (figs. 1, 6, maps), 166-168, 171-172, (pl. 1206); 58:160; 59:179 (fig. 2, map), 180-181, 269; ×heterophylla 57:162; pentaphylla 57:167; pinnata 57:167; polyphylla 57:167; savensis 57:167

Dermatocarpon aquaticum 60:82; miniatum var. complicatum 60:82

Dermatolithon pustulatum 72:200, 210, 237, 323, 333; 74:422

Dermatophyllum 70:521; speciosum 70:521, 528

Dermocarpa olivaceus 73:267; prasina 73:267; violacea 73:267

Dermoloma 71:184

Derris 51:201

Deschampsia 51:7; 68:103, 243; atropurpurea 67:380; brevifolia 54:51; caespitosa 55:42; 68:243-244, 440; subsp. beringensis 70:240; subsp. caespitosa var. glauca 65:212; var. glauca 53:266; 55:122; 71:506; var. parviflora 53:266; 72:510; conferta 68:243; elongata 51:7; 68:523; flexuosa 53:19; 55:51, 81, 122; 65: 312; 66:144; 71:519; 75:315, 371; var. flexuosa 65:88; 72:510; f. flavescens 72:510; var. montana 65:88; 66:144

Descurainia brachycarpa 55:154; pinnata var. brachycarpa 55:154; 63: 49, 53-54; richardsonii 63:49, 53-54; sophia 59:127; 63:49, 54; streptocarpa 62:13

Desmanthus 69:409; depressus 69:409; illinoensis 75:136; virgatus 67:332; 69:409

Desmarestia 75:573; aculeata 66:231; 71:126, 136-137; 72:116, 202, 320, 336; 74:129, 267, 417; media 71:153; spp. 71:155; 72:326; viridis 66:231; 71:126; 72:320, 336; 74:267, 411, 417

Desmarestiaceae 71:126; 74:267

Desmarestiales 71:126

Desmidiaceae 63:278; 67:252; 75:261

Desmidium 63:279; aptogonum 63:279; baileyi 63:279; 71:454; grevelii 63:279; longatum 63:279; swartzii 58:119; 63:279; 64:54; 71:454

Desmodium 52:15; 55:355; 59:243; 69:413; ser. **Americana** 52:135; ser. **Longibracteata** 52:137; ser. **Pauciarticulata** 52:136, 145; ser. **Stipitata** 52:137, 145; ser. **Stipulata** 52:136; acuminatum f. chandonnetii 52:138; f. unifoliolatum 52:138; adscendens 67:334; affine 67:334; axillare 67: 334; 69:413; var. acutifolium 67: 334; var. stoloniferum 67:334; barbatum 67:334; bracteosum 52:137-138; β cuspidatum 52:138; var. longifolium 52:138; canadense 52: 137; 71:108; β longifolium 52:138; canescens 64:151, 157 (fig. 17); 73: 493, 508, 510, 512, 514; canum 67: 334; 69:413; ciliare 52:136; 68:363; cubense 67:334; cuspidatum 52:137-138; var. **longifolium** 52:138; dillenii 52:151, 154; **fernaldii** 52:137, 139, 145, 147-148; floridanum 52: 139, 144-148; glabellum 52:137, 151, 154-155; glabrum 66:12; 67:334; 69: 413; glutinosum 52:135-137; 56:248; f. **chandonnetii** 52:138; 57:268; f. **unifoliolatum** 52:138; humifusum 52:137, 155; illinoense 52:136; intortum 67:334; laevigatum 52:137, 139, 144, 148-149, 151; β rhombifolium 52:148; var. β monophyllum 52:149; lineatum 52:137; 64:62; longifolium 52:138; marilandicum 52:137; 74:292; nudiflorum 52:135-136; **nuttallii** 52:137, 139, 142, 144, 147; ochroleucum 52:136; paniculatum 52:137, 151-152; var. β angustifolium 52:152; var. chapmani 52: 152; var. **epetiolatum** 52:153; var. pubens 52:153-154; var. typicum 52:152-154; pauciflorum 52:135-136; **perplexum** 52:137, 154-155; procumbens 67:334; 69:413; purpureum 69:413; rhombifolium 52:139, 141, 144-145, 147-149, 151, 154; var. β 52:149; rigidum 52:137; rotundifolium 51:155; 52:35, 136; 64:62; f. **glabratum** 52:138; var. glabratum 52:138; scorpiurus 67:334; 69:413; sessilifolium 52:136; strictum 52:

137; 73:111; tenuifolium 52:137; torreyanum 52:140; tortuosum 57: 286; 67:334; 69:413; triflorum 67: 334; 69:413; viridiflorum 52:137-139, 142-144, 147; wydlerianum 67: 334
Desmotrichum undulatum 75:270
Deuterochonia 71:35, 224; longipetala 71:224; strobilifera 71:224; var. inermis 71:225
Deutzia scabra 63:50, 54
Deyeuxia 66:277; anthoxanthum 68: 250; capitata 68:250; **colorata** 66: 277; gracilis 68:255; imberbis 68: 249; lagurus 68:252; leiopoda 68: 250; mandoniana 68:255; nardifolia 66:277; nivalis 68:250; obtusata 68:258; phalaroides 68:250; picta 68:251; polystachya 68:248; rosea 66:277; subsimilis 68:258; sulcata 68:256
Diachora onobrychidis 64:134
Dialonectria cerea 65:307; fulvida 65: 307
Diamorpha 53:89; 66:87; cymosa 53: 90; 66:47, 87, 88 (map 1), 89-90; 70:339, 401; pusilla 66:88, 90; smallii 66:88 (map 1), 89-90
Dianthera ovata 52:270
Dianthus 51:367; 52:244; alpinus γ repens 52:245; armeria 51:25; 52: 244-245; 55:237; 62:108, 115; 71:25; barbatus 51:8; 52:244-245; 62:108, 115; caesius 51:367; deltoides 52: 244-245; 59:33; 62:108, 115; 72:517; plumarius 51:8; 52:244-245; 62:108, 115; 72:517; prolifer 75:387; repens 52:244-245
Diapedium assurgens 67:352; 69:443; krugii 67:352
Diapensia 51:367; lapponica 55:219; 56:243, 250; 65:21; 67:380; 68:412 (fig. 5, map), 416; 74:359, 361 (fig. 1), 362 (fig. 2), 363 (fig. 3), 364 (fig. 4), 365, 367-368, 370-371, 373-375, 528
Diarina festucoides 75:369
Diarrhena americana 62:200; 75:369; var. obovata 62:200
Diatoma anceps 63:280; hiemale var. mesodon 64:54; vulgare 64:54
Diatomaceae 63:280
Diatrype stigma 65:307
Dicentra 75:2; canadensis 51:30; 52: 294; 63:47, 53; 72:492; 75:158, 161; cucullaria 51:30; 55:156; 58:318; 63:47, 52, 295; 72:492; 73:462; f. purpuritincta 51:30; eximia 63:47, 55; formosa 63:47, 55; spectabilis 63:47, 55
Dicerandra densiflora 60:23, 29
Diceras phaseolus 71:463
Dichaea glauca 59:247; trichocarpa 59:247
Dichanthium annulatum 60:91-92, 94-95, (pl. 1232); 67:317; 70:556; sericeum 58:140, (pl. 1226)
Dichelyma capillaceum 62:159; falcatum 62:170; 72:494; pallescens 62: 159
Dichodontium pellucidum 62:170; 64: 124
Dichondra carolinensis 64:91; repens var. carolinensis 52:38
Dichothrix orsiniana 58:119; penicillata 75:292
Dichroma leucocephala 56:256
Dichromena 67:114; ciliata 67:123-124, 321; colorata 57:284; 66:11; 67:321; 71:31; 73:49; 75:379; inaguensis 66:8, 11; kuntzei 67:116; latifolia 71:31; 75:380; mandonii 67:118; radicans 67:321
Dichylium oerstedianum 67:338
Dicliptera 69:443; assurgens 57:288; 67:352; 69:443; brachiata 58:49; 63:20; 64:282-283; 67:181; krugii 67:352
Dicranaceae 53:123; 62:147, 153
Dicranella cerviculata 62:153; condensatum 53:123; flagellare 53:123; heteromalla 53:123; 58:248; 62:153; var. orthocarpa 53:123; 62:153; rufescens 62:153; schreberi 62:153; schreberiana 62:153; scoparium 53: 123; subulata 58:248; varia 62:153
Dicranodontium denudatum 72:494
Dicranoglossum **desvauxii** 63:35
Dicranopteris bifida 67:356; flexuosa 67:356; pectinata 67:356
Dicranopygium omichlophilum 65:5 (pl. 1276), 6 (pl. 1277), 7 (pl. 1278)
Dicranum alatum 52:73; arcticum 51: 29-30; bergeri 58:248; 62:153; bonjeani 51:30, 123; 58:248; 62:153; var. alatum 52:73; condensatum 59:254; 62:153; drummondii 58:248; 62:153; flagellare 62:153; fulvum 62:153; fuscescens 51:123; 62:153; montanum 62:153; muehlenbeckii 62:153; 72:493; rugosum 62:153; scoparium 51:30, 123; 52:73; 58:248; 62:153; 71:21; f. **alatum** 52:73; spurium 62:154; starkei 51:123; strictum 62:170; viride 62:154
Dictyosiphon chordaria 73:281; ekmanii 71:126; foeniculaceus 71:115, 124, 126-127, 138; 72:116, 320, 336; 74:267, 417, 428; 75:270; macounii 72:320, 336
Dictyosiphonaceae 71:126; 74:267; 75: 270
Dictyosiphonales 71:126; 73:277, 279
Dictyosphaerium ehrenbergianum 71:

454; pulchellum 63:277; 64:54; 71:454
Dictyota 75:87-88; dichotoma 75:269
Dictyotaceae 75:269
Dictyoxiphium × Tectaria 56:6
Didymodon recurvirostris 62:154; rigidulus 62:154
Didymopanax 69:432; gleasonii 67:344; morototoni 69:432
Dieffenbachia hoffmanii 62:255-256; seguine 62:255
Dielsiochloa floribunda 68:243
Diervilla lonicera 53:10; 55:192; 64:18; 65:94; 67:373; 70:182; 72:525; sessilifolia 51:60
Dieteria sessilifolia 58:282
Digitalis 51:6; lutea 75:159; purpurea 70:46
Digitaria 65:355; 68:105, 294; adscendens 65:357; 67:318; 68:294; argillacea 67:318; **diversiflora** 65:356; 69:372; filiformis 60:11, 30; var. villosa 60:208; horizontalis 67:318; 68:294-295; ischaemum 52:227; 60:65; 67:318; 69:31; lanuginosa 68:294-295; leiantha 68:294-295; panicea 67:318; sanguinalis 51:8; 52:227; 55:225; 57:283; 58:37; 60:65; 63:341, 344; 65:357; 69:31; texana 60:11, 30; villosa 67:318; violascens 54:125; 67:318; 68:294-295
Dilleniaceae 65:14
Dilleniidae 70:425
Dilomilis montana 67:326
Dimorphococcus 64:57; lunatus 63:277; 71:454
Dinobryon bavaricum 71:448, 449 (fig. 4), 463, 465; crenulatum 71:463, 464 (figs. 35-36), 465; cylindricum 71:448, 449 (fig. 3), 451, 463, 465; divergens 71:463, 465; sertularia 64:54; 71:465; sp. 63:280; suecicum 71:464 (fig. 38), 465; vanhoeffenii 71:464 (fig. 37), 465
Dinophyceae 71:469; 73:285-286
Diodia 69:445; apiculata 69:376, 393, 445; frankii 61:171; hirsuta 75:403; maritima 67:354; rigida 69:376; serrulata 67:354; teres 59:160; 63:226; 71:33; 73:496; tetragona 66:379; virginiana 51:20; 55:16; 66:379; 70:34; 71:33; 75:403
Dionaea 51:301; muscipula 51:126
Diosanthos armerium 52:245; barbatum 52:245
Dioscorea bulbifera 67:324; 75:414; cayennensis 67:324; esculenta 67:324; quaternata 64:89, 91; villosa 53:82, 87; 67:324; f. glabrifolia 53:82
Dioscoreaceae 53:82; 29:242; 67:324; 75:414
Diospyros 51:105; digyna 67:345; discolor 67:345; ebenaster 67:345; philippensis 67:345; sintenisii 67:345; virginiana 51:105-106; 66:312; 70:224-225; 72:79; f. pumila 62:131; var. pubescens f. **pumila** 62:131
Dipholis 69:433; cubensis 67:345; salicifolia 69:433; sintenisii 67:345
Diphylleia cymosa 72:492
Diphyscium foliosum 53:123; 62:168
Diplachne fascicularis 55:289; 63:134, 136; 67:319; halei 66:165
Diplacrum sect. Sphaeropus 73:159; africanum 73:159-160; capitatum 73:160; longifolium 67:126; 73:160
Diplandra 67:167; potamogeton 67:167
Diplazium arboreum 67:357; callipteris 68:466; celtidifolium 68:466; cristatum 67:357; **legalloi** 68:466; **limbatum** 68:467; marginatum 68:467; pycnocarpon 57:234
Diplocoma 62:64; villosa 62:68-69
Diplodia sp. 73:308
Diplopappus divaricatus 67:231; ericoides var. hirtella 74:84; scaber 62:66-67
Diplophyllum albicans 60:216; apiculatum 60:211, 228, 229 (fig. 13, map), 243-244; var. obtusatum 60:228; incurvum 60:216; obtusifolium 60:228, 229 (fig. 13, map), 230
Diplotaxis erucoides 53:22; 55:291; muralis 53:22; 63:49, 55, 346; 66:54; 75:388; tenuifolia 63:49, 55; 66:54
Dipsacus laciniatus 55:268; sylvestris 60:174; f. **albidus** 60:175
Dipteryx 70:337
Dirca palustris 55:18; 56:203; 67:394, 395 (fig. 3, map); 69:458
Discomycetes 56:105, 109
Disporum calcaratum 65:185-186; cantoniensis 65:186-188; hamiltonianum 65:184; hookeri 55:62; lanuginosum 55:62; 65:187; 74:523-524; leschenaultianum 65:187; maculatum 55:61, 62 (fig. 1); 66:275; multiflorum 65:187; parviflorum 65:187; pitsutu 65:187; sessile 65:165, 187; smilacinum 65:188; smithii 55:62; 65:187; trachycarpum 55:62; 65:187
Dissanthelium 68:101, 241; calycinum 68:241-242; macusaniense 68:241; minimum 68:241; peruvianum 68:241; trollii 68:241-242
Dissotis 69:165
Distichium capillaceum 62:152
Distichlis 68:99, 230; humilis 68:230; spicata 57:283; 68:230; 70:442, 444-446; 74:411, 476; 75:57; γ margi-

nata 68:230; var. andina 68:230; stricta 52:19; 59:123; 70:451
Distylium 70:425
Ditaxis fasciculata 67:337; 69:418; humilis 52:36; 56:211; laevis 56: 209, 211
Dithyrea griffithsii 60:147, 151; wislizenii 52:294; 60:146-147, 150-152, (pl. 1233); var. palmeri 60:151
Ditremexa hirsuta 67:332; occidentalis 67:332; 69:411; sophera 67:332
Ditrichaceae 53:123; 62:147, 152
Ditrichum cylindricum 64:123; flexicaule f. **estellae** 52:74; lineare 62: 152; pallidum 53:123; 59:253-254; 62:152; pusillum 53:123; 62:152
Docidium 64:57
Dodecatheon 75:115; amethystinum 55:226-227; f. margaritaceum 55: 227; frenchii 57:325-326, 327 (fig. 1, map), 328, 329 (fig. 2b), 330 (fig. 3a), 331; 74:524; frigidum 55:251; 65:220; meadia 57:325-328, 329 (fig. 2a), 330 (figs. 3a-3b), 331; 58: 318; var. brachycarpus f. pallidum 57:315; radicatum 74:83
Dodonaea ehrenbergii 67:338; jamaicensis 57:277, 286; viscosa 67:338
Dodonaeaceae 67:338
Dolicholus minimus 67:335; 69:414; pyramidalis 67:335; reticulatus 67: 335; 69:414; simplicifolius 64:62
Dolichos 69:413; lablab 59:19; 69:374, 413
Dolicotheca striatella 62:167
Doliocarpus brevipedicellatus 69:375; major 69:375
Domingoa haematochila 67:326; hymenodes 67:326
Dondia fruticosa 67:329
Donia squarrosa 70:51
Doronicum 52:283; mexicanum 62:68-69
Dothidea episphaeria 71:193, 195
Dothideales 71:196
Doxantha 69:442; unguis-cati 67:352; 69:442
Draba 54:41; 55:229; 71:105, 107; allenii 63:49; alpina 54:49, 52, 54, 216; 55:250; 65:217; 71:505; var. nana 54:49, 52; apiculata 55:232-233; aprica 63:223-225; arabisans 53:7; 55:53, 152-153; 56:248; 57:301-303, 307; 63:49, 53; 68:413 (fig. 9, map), 417; 70:180-182; var. canadensis 55: 152; var. **superiorensis** 55:153; aurea 55:235; bellii 65:211, 217; borealis 71:505; brachycarpa 63: 224-225; *β* fastigiata 63:223; var. fastigiata 63:224; cinerea 54:279; crassa 54:7; crassifolia 55:235; cuneifolia 55:153; 59:126; 62:240; 63:20; var. cuneifolia 62:240; var. **foliosa** 62:240; var. helleri 53:131; var. leiocarpa 55:153; densifolia 55:247, 250; eschscholtzii 55:250; fladnizensis 54:49, 52, 216, 279; 61: 32; glabella 63:49, 53; var. megasperma 53:4; graminea 55:109; hirta 54:52, 216, 279; 71:505; incerta 55: 229, 232; jorullensis 62:13, 19; lactea 61:32; 65:217; lanceolata 55: 235; 59:237-239; 61:269; 63:49, 53; 74:381; lemmoni 55:323-324; var. cyclomorpha 55:323; var. **incrassata** 55:323; var. lemmoni 55:323; lonchocarpa 55:234-235; var. **thompsonii** 55:235; longipes 65:217; macrocarpa 65:217; 71:505; nemorosa 55:153; 59:237; var. lejocarpa 55:53, 153; neomexicana 74:83; nivalis 55:234, 250; 71:505; var. **brevicula** 55:233-234; var. elongata 55:234; var. exigua 55:234; var. nivalis 65:217; var. thompsonii 55:235; norvegica 54:222, 226; 55:53, 81, 152; 68:410, 412 (fig. 4, map), 416; 70:184-185; oligosperma 55:230, 232; paysonii 55:233; **pectinipila** 55:230-232; pilosa 65:217; pseudopilosa 55:250; pycnosperma 56:248; 68:412 (fig. 6, map), 417; ramosissima 71:303; reptans 52:169; 55:153; 58:318; 62:240; 63:49, 53; var. micrantha 52:169; 55:153; var. typica 52:169; stenoloba 55:235; verna 62:262; 63: 49, 54; var. boerhaavii 57:313; 62: 262; 63:49, 54
Dracocephalum 51:121; 70:34; cordatum 70:431; correllii 51:120; cuspidatum 70:34-35; formosius 65:63; intermedium 65:61; moldavica 65: 58; nuttallii 65:62; parviflorum 53: 158; 55:188; 70:34; 71:172; speciosum 65:63; virginianum 51:121; 65: 58, 63
Dracopsis amplexicaulis 70:353
Draparnaldia glomerata 63:276; 64: 54; judayi 64:54; plumosa 58:117
Drepanocarpus lunatus 67:334
Drepanocladus 70:210; aduncus 62: 163; var. kneiffii 62:163; var. polycarpus 62:163; exannulatus 62:163; 72:494; fluitans 58:249; 62:163; 72: 494; var. falcatus 62:163; revolvens 54:158; 58:249; sp. 70:212; uncinatus 62:163; 70:207; var. typicus 51:123
Drosera 53:98; sect. Bryastrum 57: 116; sect. Phycopsis 57:116; sect. Psychophila 57:116; sect. Ptycnostigma 57:116; sect. Rossolis 57: 116; sect. Thelocalyx 57:116; anglica 53:17; 57:105-107, 108 (figs. 11-19),

111, 115, 117, 121-122, 123 (figs. 58-59), 124-129; 70:206-208; ×rotundifolia 57:108 (fig. 20), 117; binata 57:116; brevifolia 57:110 (fig. 27), 115-116, 118 (fig. 36); 71:32; burmanni 57:116; capensis 57:117; capillaris 57:110 (figs. 28, 31), 115-116, 118 (fig. 35); 71:32; cistiflora 57:116; filiformis 57:115-116; 59:228; 62:294; 63:50, 53; 65:273; 71:32; var. tracyi 57:115-116; 59:228; intermedia 55:162; 57:107, 110 (fig. 32), 111, 115-116; 58:247; 62:294; 63:50, 52; 65:91, 273; 71:32; 72:518; 73:258; linearis 53:17, 50; 57:106-107, 108 (fig. 2), 109-115, 117, 118 (figs. 33, 50), 119, 121-122, 123 (fig. 55), 124-129; 63:50, 53-54; ×rotundifolia 57:107, 108 (figs. 3-10), 110 (fig. 26), 111, 117, 118 (figs. 37-47, 51-52), 123 (figs. 56-57); longifolia 55:162; 57:106; ×obovata 57:106, 108 (figs. 20-24), 117, 127-128; pygmaea 57:116; regia 57:116; rotundifolia 53:17; 55:162; 57:106-107, 108 (fig. 1), 109-115, 117, 118 (figs. 34, 49), 119-122, 123 (fig. 54), 124-129; 58:59; 62:294, 333; 63:50, 52; 65:91; 70:206, 208; 71:20, 25; 72:518; 75:318; var. comosa 53:17; 57:120; 63:50, 53-54; 65:91; spathulata 57:117

Droseraceae 55:162; 63:50-51; 71:32; 75:318

Drummondia prorepens 62:158

Dryas drummondii 52:286; 53:7, 13; integrifolia 52:62; 54:40, 49, 53, 216; 65:218; 67:92-93, 381; 70:103-105, 108; f. intermedia 54:53, 285; subsp. integrifolia 70:105; octopetala 54:285; 55:248, 251; 65:218; f. canescens-argentea 65:218; subsp. punctata 54:285

Dryopteris 70:2, 221, 340, 346; abrupta 61:305; angustifolia 67:359; aspidioides 69:5; assimilis 64:208-211; 69:2; 70:340, 346-347; assurgens 69:5; austriaca var. austriaca 64:207, 209; bangii 69:5; biformata 69:5; boottii 57:236; ×boottii 57:238; 68:90; boqueronensis 69:5; borreri 70:2; brittonae 67:359; campyloptera 55:225; 64:210-211; 69:1; 70:340-343, 344 (pl. 1386), 345-346; carthusiana 70:340; celsa 54:166; 66:255, 262-263; ×intermedia 66:263; chaerophylloides 67:359; clintoniana 57:236; 66:255; ×spinulosa 66:263; coarctata 69:5; consimilis 68:468; consobrina 69:5; cristata 53:20; 55:47, 98; 57:236; 65:87; 67:402; 72:508; 75:314; var. clintoniana 52:42; ×spinulosa var. intermedia 68:91; ×intermedia 66:255; ×spinulosa 68:90; ×spinulosa var. intermedia 68:90-91; decussata 67:358; deflexa 69:5; deltoidea 67:358; densa 69:5; dentata 67:359; desvauxii 69:7; dilatata 64:207-211; 68:127; 69:1-3; 70:340-343, 344 (pl. 1386), 345-347; subsp. campyloptera 69:2-3; ×intermedia 66:262; ×marginalis 66:262; diplazioides 69:6; disjuncta 55:46, 98; 65:87; domingensis 67:359; dominicensis 61:306; dumetorum 69:5; effusa 67:359; ensiformis 69:6; excelsa 63:35; falcata 69:6; filix-mas 52:42; 56:2; fragrans 70:346; 71:504; 73:105; var. remotiuscula 53:12; 55:98; 57:303; 68:413 (fig. 7, map), 417; 70:188; fructuosa 57:236; furva 69:6; germaniana 67:358; gigantea 69:6; glandulosa-lanosa 69:6; goldiana 57:236; 66:256, 275 (pl. 1302), 258 (fig. 1), 260, 261 (pl. 1303), 262-263, 264 (fig. 2), 265-266; 70:457; 72:491; 73:462-463; 75:167; ×intermedia 66:255-256, 257 (pl. 1302), 258 (fig. 1), 260, 261 (pl. 1303), 262-263, 264 (fig. 2); ×marginalis 68:90; ×spinulosa 66:262-263; gongylodes 67:358; guadalupensis 67:359; hastata 67:359; herzogii 69:6; hirta 67:359; intermedia 56:2; 57:236; 58:274; 64:208-210; 66:256, 257 (pl. 1302), 258 (fig. 1), 259-260, 261 (pl. 1303), 263, 264 (fig. 2), 265-266; 69:1-2; 70:340-343, 344 (pl. 1386), 345-346; ×marginalis 66:262; ×spinulosa 66:255; jamesonii 69:6; jurgensenii 69:6; laevigata 69:6; leprieurii 69:6; leptocladia 67:359; leucothrix 69:6; lindigii 69:5; linkiana 67:358; 69:6; linnaeana 55:98; f. glandulosa 68:133-134; longifolia 69:7; lugubriformis 69:7; macbridei 69:7; macrotis 69:7; maderensis 64:208-209; marginalis 54:166; 56:2; 57:236; 64:210; 67:377; 70:182; 72:508; ×spinulosa var. intermedia 68:90; megalodus 67:359; membranacea 69:7; mollicella 68:468; mollis 69:7; nemoralis 69:7; nemorosa 67:359; nervosa 69:7; nitens 69:7; normalis 67:359; noveboracensis 58:39; 65:87; 67:376; oligophylla 61:306; 67:359; opposita 67:358; panamensis 69:376; parallelogramma 64:348; patens 67:359; pavoniana 69:7; permollis 69:7; peruviana 69:7; phacelothrix 69:7; phegopteris 52:42; 55:98; 58:321; 63:295; 65:87; 72:8; piedrensis 67:

358; pilosula 69:8; poiteana 67:359; pteroidea 69:8; pyramidata 61:306; reptans 67:359; reticulata 67:359; robertiana 52:227; 53:16; 55:98; 67:375; rolandii 69:8; rosei 69:8; rosenstockii 69:8; rusbyi 69:8; sancta 67:358; sclerophylla 67:359; ×separabilis 66:263; serra 67:359; serrata 67:359; simplicifrons 69:6; simulata 65:309; sloanei 61:306; spinulosa 55:46, 98; 57:219, 236-237; 58:274; 64:207; 65:23; 66:255, 259; 68:59-60, 67, 69-70, 76-77, 78 (graph 1), 79 (graph 2), 81, 82 (graph 3), 84; 69:1-2; 70:340, 342-343, 344 (pl. 1386), 345-346; var. americana 55: 47, 98; 64:207, 210; 65:87, 313; 69:1, 3; 71:514; 72:508; 75:314; var. dilatata 55:80; var. fructuosa 55:98; var. intermedia 55:98; 65:87; 68:59, 60 (pl. 1320), 61 (pl. 1321), 63-67, 68 (pl. 1324), 69-71, 72 (pl. 1325), 73-77, 78 (graph 1), 79 (graph 2), 80-92; 72:508; ×var. spinulosa 68:60 (pl. 1320), 62 (pl. 1322), 64, 67, 68 (pl. 1324), 69-71, 73 (pl. 1326), 75-77, 78 (graph 1), 79 (graph 2), 80-82, 84-88, 90-92; var. spinulosa 65:87; 68:59-60, 63 (pl. 1323), 64-67, 68 (pl. 1324), 69-71, 73, 74 (pl. 1327), 75-77, 78 (graph 1), 79 (graph 2), 80-92; sprengelii 67:358; 69:376; standleyi 69:8; subandina 69:8; subincisa 67:359; subtetragona 67:359; thelypteris 60: 295; var. pubescens 54:209; 60:69, 206; 63:149; 65:87; 71:22; ×triploidea 69:2; tristis 69:8; warmingii 69:8; wherryi 66:255, 263; ×intermedia 66:263

Duchartrea sintenisii 67:352

Duchesnea indica 69:309, 318

Dufourea 56:112

Dugesia mexicana 63:123 (fig. 12), 127; 64:265

Duggena hirsuta 67:352; 69:445

Dulichium arundinaceum 51:117; 54: 254; 55:126; 64:349; 65:27, 29; 67: 192, 373; 72:511; 73:255

Dumontia incrassata 71:154; 72:200, 212, 232, 237, 323, 333; 73:283; 74: 269, 423, 480-481

Dumontiaceae 72:212; 74:269

Dupontia fisheri 54:40-41; subsp. psilosantha 65:213

Duranta repens 73:206

Duroia 70:335; petiolaris 70:336

Dussia 70:499, 515-516; cuscatlanica 70:501 (fig. 1, map), 516-517; grandifrons 70:517; martinicensis 70:515; mexicana 70:501 (fig. 1, map), 516

Dyckia 71:35, 230; boliviensis 71:231; ferox 71:231; gracilis 71:231-232; leptostachya 71:230-231; mezeana 71:231; pulquinensis 71:230-231

Dyschoriste linearis 52:172

Dysodiopsis 64:5, 8, 11

Dysodium divaricatum 74:12, 162, 175-176; radiatum 74:176

Dyssodia 64:2; sect. Aciphyllaea 64:4, 11; sect. Adenophyllum 64:5, 11; sect. Boeberastrum 64:11; sect. Clomenocoma 64:4, 10; sect. Dyssodia 64:4, 10; sect. Gymnolaena 64:5, 11; sect. Hymenatherum 64:6-7, 12; sect. Thymophylla 64:5, 11; acerosa 64:4, 7 (fig. 5), 9 (fig. 9), 11, 14; anomala 64:13; anthemidifolia 64: 11; aurea 64:7 (fig. 6); var. aurea 64:13; var. polychaeta 64:13; aurantia 64:10; aurantiaca 64:12; belenidium 64:5, 9, 12; cancellata 64:4, 11; 65:229, 232 (fig. 27); coccinea 64:11; concinna 64:11; cooperi 64: 10; **decipiens** 64:7 (fig. 8), 10, 13; diffusa 64:13; gentryi 64:11; grandiflora 64:10; hartwegii 64:12; 65:229, 232 (fig. 28); integrifolia 64:11; jelskii 64:10; littoralis 64:11; micropoides 64:6, 7 (fig. 1), 9 (fig. 9), 13; 66:308; montana 64:10; mutica 64:13; neaei 64:13; neomexicana 64:6, 7 (fig. 2), 9 (fig. 9), 13; oaxacana 64:11; palmeri 64:11; papposa 53:225; 64:3-4, 10; pentachaeta 64: 5-6, 12; pinnata 63:123 (fig. 19), 124, 128; 64:4, 10; porophylla 64:4, 11; porophylloides 64:10; remota 64:10; seleri 64:11; serratifolia 64: 11; setifolia 64:6; var. greggii 64: 12; var. setifolia 64:11-12; speciosa 64:10; squarrosa 64:10; subintegerrima 64:4; tagetiflora 64:7 (fig. 7), 10; tagetoides 64:5, 11; tenuifolia 64:7 (fig. 4), 13; tenuiloba 64:6, 9, 12; tephroleuca 64:11; texana 64: 13; thurberi 64:5, 12; treculii 64:7 (fig. 3), 13; wrightii 64:12

Ebenaceae 67:345

Ecastophyllum ecastophyllum 67:334; 69:412

Echinacea 70:353; purpurea 70:49; var. arkansana 54:130; tennesseensis 73:304

Echinocactus texensis 51:25; 52:20

Echinocephalum 75:173, 180; latifolium 75:173, 180

Echinocereus 53:94; reichenbachii 56: 25

Echinochloa 51:1; 56:207; 58:48; 68: 107, 335; colona 67:318; colonum 51:3, 147; 67:318; crusgalli 51:1-3,

11; 56:33; 66:280; 67:318; 72:511; f. longiseta 69:31; subsp. **muricata** 56:33; subsp. **zelayensis** 56:33; var. frumentacea 68:440-441; var. **macera** 56:34; var. **microstachya** 56:34; var. muricata 56:33-34; var. zelayensis 56:34; crus-pavonis 51:3; 67: 318; 68:335; var. **decipiens** 51:3; echinata var. decipiens 51:3; frumentacea 51:3, 8; 68:441; muricata 51:1-2; 58:48, 331-332; 68:440; var. ludoviciana 51:2; 56:34; var. microstachya 51:2; 56:34; var. multiflora 51:2; var. occidentalis 51:2; occidentalis 51:2; polystachya 69: 372; pungens 51:1-3; 58:48; var. coarctata 51:2-3; var. ludoviciana 56:34; var. microstachya 56:34; var. occidentalis 51:2; var. **wiegandii** 51:2; 60:67; spectabilis 69:372; walteri 51:3, 11; 59:262; 63:134; f. laevigata 52:54; zelayensis 51:3; 56:34; var. macera 56:34

Echinocystis lobata 55:194, 225; 72: 526

Echinodorus 56:241; 57:133, 174, 202; subgen. Echinodorus 57:134, 142 (figs. 1-21), 150 (figs. 22-53), 154 (figs. 54-65); subgen. **Helianthium** 57:135-136; sect. **Nymphaeifolii** 57: 135-136; sect. **Tenelli** 56:135-136, 205 (figs. 66-72); andrieuxii 57:133, 136, 142 (figs. 14-15), 150 (figs. 41-43), 175, 176 (map 7), 176-177, 211; **berteroi** 57:136, 139, 146-148, 152, 154 (fig. 55); 66:11; var. berteroi 57:140-141, 142 (figs. 2-5), 144 (map 2a), 145, 150 (figs. 25-27), 210-211; 67:317; var. **lanceolatus** 57:140, 142 (figs. 6-9), 144, 145 (map 2b), 150 (figs. 28-29), 210; bracteatus 57:136, 142, 150, 153-154, 155 (map 5); var. bracteatus 57:142 (fig. 12), 150 (figs. 37, 39), 154 (fig. 60), 174, 211-212; var. **efenestratus** 57:150 (fig. 39), 174, 212; brevipedicellatus 57:182; cordifolius 57:134, 135 (map 1), 137-138, 140, 144, 147-148, 150 (figs. 23-24), 154 (fig. 54), 155, 175, 210; 66:11; 67:317; β berteroanus 57:140; f. lanceolatus 57:144; var. lanceolatus 57:144; ellipticus 57:177, 179; γ ovata 57:175-176; f. ovata 57:175; var. ovatus 57:175; floribundus 57: 148; **fluitans** 57:136, 155, 212; grandiflorus 57:136, 142, 148, 150, 152-153, 154 (fig. 58), 179; α floribundus 57:148; var. **aureus** 57:148, 152, 210; var. floribundus 57:148; var. grandiflorus 57:142 (fig. 10), 148, 149 (map 3), 150 (figs. 30-31), 154 (fig. 56), 210-212; var. longiscapus 57:148; var. ovatus 57:148, 152, 154 (fig. 57); grisebachii 57: 136, 142 (fig. 16), 150 (fig. 51), 154 (fig. 63), 180 (map 10), 181, 210-211; intermedius 57:179-182; **isthmicus** 57:137, 203 (map 14), 204, 205 (fig. 69), 209 (map 18), 211; longipetalus 57:181-182; longiscapus 57:152; macrophyllus 57:137, 150 (figs. 35-36), 153, 154 (fig. 59); β muricatus 57:148, 152-153; **magdalenensis** 57:137, 203 (map 15), 204, 205 (fig. 71), 207, 209 (map 18), 212; martii 57:179; muricatus 57: 136, 143 (fig. 11), 148, 150 (figs. 32-34), 152, 153 (map 4), 155, 211-212; nymphaeifolius 57:134, 136, 150 (fig. 53), 154 (fig. 65), 182, 183 (map 12), 210-211; ovalis 57:136, 142 (fig. 13), 150 (fig. 40), 154 (fig. 61), 174 (map 6), 175, 210; palaefolius 57: 177; paniculatus 57:136, 142, 150 (figs. 44-49), 177, 178 (map 8), 179, 212; var. **dubius** 57:179; var. paniculatus 57:142 (figs. 17-20), 177; parvulus 57:134, 146, 185; 60: 42; 61:291; **quadricostatus** 57:137, 203 (map 15), 204, 205 (fig. 72), 207, 209 (map 18); radicans 57:134, 137, 140; rostratus 57:140, 144, 146; f. lanceolatus 57:144; var. lanceolatus 57:142 (figs. 7-9), 144, 147, 150 (fig. 28); sellowianus 57:152; subalatus 57:179, 185; 71:550; tenellus 54:250-251; 55:15; 57:134, 137, 183, 186, 188, 202, 204, 206, 209; var. **ecostatus** 57:183-184, 185 (map 13b), 205 (fig. 68), 207, 209 (map 18), 211-212; var. **latifolius** 57:183, 188 (map 13d), 202-203, 205 (fig. 70), 206-207, 209 (map 18), 210-212; 67:317; f. **apanecae** 57:203; var. **parvulus** 57:183, 185, 187 (map 13c), 205 (fig. 67), 206 (figs. 73-74), 209 (map 18), 210-211; f. **randii** 57:188; var. tenellus 57:183-184, 185 (map 13a), 205 (fig. 66), 206 (fig. 75), 207, 209 (map 18), 212; **trialatus** 57:136, 142 (fig. 21), 150 (fig. 50), 154 (fig. 62), 179, 180 (map 9), 212; tunicatus 57:136, 150 (fig. 52), 154 (fig. 64), 181 (map 11), 182, 211; virgatus 57:135, 137, 142 (fig. 1), 150 (fig. 22), 211

Echinops sphaerocephalus 72:528; spinosus 55:308

Echinospermum virginicum 51:111

Echites agglutinata 67:346; 69:435; puberula 70:36

Echium vulgare 55:187; 60:43; 65: 368; 66:55

Eclipta 69:448; alba 70:238-239; prostrata 69:376, 448; pusilla 74:60
Ectocarpaceae 71:122; 74:266; 75:268
Ectocarpales 71:122; 73:277
Ectocarpus 75:570-571; arctus 71:122; confervoides 71:122; 72:116, 320, 336; 74:266, 417; 75:58, 268; var. arcta 73:277; var. confervoides 73:277; var. dasycarpus 73:277; 74:481; var. siliculosus 73:277; elachistaeformis 75:268; fasciculatus 71:122; 72:320, 336; penicillatus 75:268; siliculosus 71:122; 72:320, 336; 74:417-418; 75:268; tomentosoides 66:231; tomentosus 71:122; 74:421
Edgeworthia albiflora 74:438; chrysantha 74:436-438; gardneri 74:438; longipes 74:438; papyrifera 74:437; tomentosa 74:437
Egeria 67:155-156; densa 67:2, 26, 28, 156-157, 161, 163, 166, 168, 170; 74:135, 140; naias 67:166, 168-169
Ehretiaceae 67:348
Eichhornia 54:287; 75:443, 447, 486; crassipes 53:25; 67:323; 75:486-487; diversifolia 67:323; subovata 75:478
Elachista fucicola 66:231; 71:117-118, 125; 72:116, 320, 336; 74:267, 418, 428; 75:58, 62, 269; lubrica 71:125; 72:320; 74:297; sp. 75:269
Elachistaceae 71:125; 74:267; 75:269
Elaeagnaceae 55:176
Elaeagnus angustifolius 54:307; 63:44; 70:35; 74:148; argenteus 57:290; 70:35-36; commutatus 62:29; 70:35; pungens 60:18; umbellatus 74:148
Elaeocarpaceae 67:339
Elaeodendron xylocarpum 67:338; 69:421
Elakatothrix gelatinosa 71:454; viridis 71:453 (fig. 18), 454
Elaphoglossum crinitum 67:357; dussii 68:467; flaccidum 67:356; longifolium 67:356; martinicense 67:356; maxonii 67:356; petiolatum var. **dussii** 68:467; philoselloides 67:356; pteropus 67:356; pumilum 67:356; rigidum 67:356; serpens 67:357; underwoodianum 67:356
Elaphrium simaruba 67:336
Elatine 66:47; 75:115; americana 53:26; 56:96; 66:47, 50-52; 72:521; brachysperma 53:154-155; 66:47, 50-52; minima 54:227; 56:40; 57:308; 61:276, 283 (fig. 5, map), 284; 66:47, 50-52; 73:258; rubella 66:52; triandra 60:58; 66:48 (figs. 1-4), 50-53; f. submersa 60:58-59; var. americana 66:52; var. andina 66:51-53; var. brachysperma 66:50, 53; var. genuina 66:51, 53
Eleocharis 67:104; 70:221, 285, 573; acicularis 53:19; 54:167; 55:126; 56:226; 62:95-96; 65:27, 29; 66:127; 73:255; 75:57; var. submersa 65:27, 33; albibracteata 67:105, 107; var. nubigena 67:107-108; albida 52:255; 54:168; ambigens 65:27, 33; arenicola 52:256; atropurpurea 57:284; 62:93; 66:161; 67:320; baldwinii 52:255; boliviana 67:107; brehmeriana 67:107; calva 55:126; 65:27, 31; 68:453; capitata 67:106; 73:49; caribaea 52:167; 67:320; cellulosa 54:168; compressa 66:162; costulata 67:105; crinalis 67:105, 107; diandra 55:1-2, 4, 6, (pls. 1188-1189); 65:27, 31; dombeyana 67:105, 107; elegans 67:104, 108, 321; elliptica 53:11; 54:164; 55:126; 64:100; 65:27, 29, 89; 72:511; 75:315; engelmannii 55:3-4, 6, (pls. 1188-1189); 65:27, 31; var. robusta 55:3, 6, (pls. 1188-1189); equisetoides 54:258; 55:15; ×fallax 65:27, 33; erythropoda 68:453; exigua 67:105; fallax 67:321; filiculmis 67:105, 109; fistulosa 67:104-105; flaccida 67:320; flavescens 52:256; 67:320; 75:377; geniculata 52:167; 57:284; 66:11; 67:104, 106, 108, 320-321; 69:60; 75:414; halophila 53:15; 58:246; 65:27, 32, 89; 70:442-443; 71:23; 72:511; 75:315; intermedia 53:5; 65:27, 32; interstincta 67:104-105; lanceolata 55:3; 56:159; macounii 55:2; macrostachya 66:161; maculosa 67:105-106; melanocarpa 52:256; 54:168; 65:27, 32; 75:376; microcarpa 52:256; 54:168; 67:321; var. filiculmis 54:169; 65:27, 33; minima 67:105, 108; minutiflora 67:321; montana 67:320; montevidensis 52:256; monticola 55:3; nana 73:159; nitida 54:225; 55:54, 83, 126; 57:305; 62:142; 65:27, 33; 66:412; 70:207; 72:48; nodulosa 67:104, 108, 320; nubigena 67:107; obtusa 55:1-6, (pls. 1188-1189); 64:148, 155 (fig. 1); 65:27, 29; 72:511; 73:256; var. ellipsoidalis 55:3, 6, (pls. 1188-1189); 65:27, 31; var. gigantea 55:3, 5-6, (pls. 1188-1189); var. jejuna 55:1, 5-6, (pls. 1188-1189); 65:27, 31; 67:195; var. peasei 55:3; 65:27, 33; ocreata var. flaccida 67:106; olivacea 55:1; 65:27, 30; 75:377; ovata 55:1-6, (pls. 1188-1189); 65:27, 30; var. **aphanactis** 52:54; var. heuseri 52:18; 55:126; 57:305; 65:27, 30; var. ovata 57:305; pachystyla 55:3; palustris 51:110, 168; 53:157; 55:1; 58:246; 65:27, 30, 89; 68:453; 71:563; var. major 55:48, 126; 65:27,

29; 69:318; var. palustris 69:318; parvula 52:256; 54:169; 63:41; 65: 27, 32; 71:23; 72:511; var. anachaeta 52:167; pauciflora var. fernaldii 53:11, 160; 54:222, 224; 65: 27, 30; quadrangulata var. crassior 65:27, 33; 74:378; radicans 67:104-105, 321; robbinsii 54:169; 65:27, 30; 75:377; rostellata 65:27, 31; 66: 162; 67:321; sellowiana 67:105-106; sintenisii 67:320; smallii 51:110, 168; 55:126; 56:226; 58:246; 65:27, 30; 66:161; 71:563; 73:256; var. major 75:315; sulcata 67:109; tenuis 51:110; 65:27, 31; 72:48, 511; var. pseudoptera 54:169; var. tenuis 64:100; tortilis 54:169; tricostata 52:256; 65:27, 32; 75:377; tuberculosa 51:108, 110; 65:27, 31; 71:31; 72:9; viridans 55:3; vivipara 52:257; wolfii 66:162; 75:378; yunquensis 67:320

Elephantopus 69:448; 70:229; carolinianus 64:156; 73:111; 74:103; cuneifolius 75:184; elatus 61:309, 310 (map), 311; 71:34; var. intermedius 61:311; mollis 67:354; 69: 448; 70:229, 235; scaber 67:354; 69: 448; tomentosus 61:309-311; 73:497

Eleusine 68:101, 282; indica 56:180; 57:283; 59:232; 63:134; 68:282, 515; 69:69

Eleutheranthera 70:241, 246; 75:173; divaricata 74:177; ruderalis 70:242

Eleutherine 64:310; bulbosa 64:310; 67:324

Elizabetha 70:130, 138, 144, 154; duckei 70:154; princeps 70:135, 139, 153 (fig.), 154, 333

Ellisia microcalyx 72:400

Elodea 58:162; 67:155, 158, 167; subgen. Apalanthe 67:164; subgen. Elodea 67:164; sect. Elodea 67:164; sect. Natator 67:164; bifoliata 67: 165, 167; brandegeae 67:3, 164-165, 167; callitrichoides 67:161, 164, 166-167; canadensis 53:266; 55:48, 118; 67:2, 5, 12, 13 (pl. 1308), 14 (fig. 2), 15, 21-29, 31, 33 (fig. 5, map), 156, 159, 161-163, 165-171; 70:171, 203; subvar. repens 67:12; var. *β* angustifolia 67:167; var. angustifolia 67:6, 168; var. gigantea 67:156, 168; var. latifolia 67:12, 166, 168; var. repens 67:12, 166; var. planchonii 67:12, 166; capensis 67:168; chilensis 67:168; chinensis 67:168; columbiana 67:11, 165, 168; crispa 67:168; densa 67:26, 156, 168; var. crispa 67:168; var. longifolia 67: 157, 168; ernstae 67:161, 165-166, 168; gigantea 67:28, 156-157, 168; granatensis 67:3, 159, 164-171; guyanensis 67:21, 168; f. longifolia 67:168; var. dicranoides 67:168; ioensis 67:12, 168; iowensis 67:12, 168; kochii 67:168; latifolia 67:12, 21, 169; **linearis** 67:2, 23, 29, 30 (fig. 3), 31, 33 (fig. 5, map), 165-166, 169-170; longivaginata 67:2, 30 (fig. 3), 32 (fig. 4, map), 34, 164-166, 169; matthewsii 67:161, 165-166, 169; minor 67:6, 169; naias 67:166, 168-169; nevadensis 67:165, 169; nuttallii 63:40; 67:2, 5-6, 11-12, 14 (fig. 2), 21, 26, 29, 31, 32 (fig. 4, map), 34, 155, 161, 164-168, 170-171, 195; 71:167, 418 (pl. 1424), 419; 73:255, 298; 74:136-137; oblongifolia 67:12, 15, 169; occidentalis 67:6-7, 169; orinocensis 67:169; paraguayensis 67:169; peruviensis 67:165, 169; planchonii 67:12, 21-24, 169; potamogeton 67:164-170; richardii 67: 164, 166, 169; schweinitzii 67:2-6, 21, 25, 30 (fig. 3), 32 (fig. 4, map), 164, 166-167, 170; titicacana 67:164-165, 170; verticillata 67:170; virginica 55:295

Elodeaceae 67:155

Elsholtzia ciliata 61:63

Elsota diversifolia 67:336; virgata 67: 336

Eltroplectris acuminata 67:325

Elvira 72:94; biflora 72:95, 98

×Elyhordeum **arcuatum** 70:468 (pl. 1398), 469-470, 472

Elymus 54:290; 56:185; 58:144; 68: 104, 236; 69:121-123, 125, 137, 158; 69:121; 70:467, 471-472; angulatus 68:236; arenarius 53:60; 54:208; 55: 52; 56:183; 62:199-200; 64:284-285; 65:284; 70:467; var. villosus 64:345; 65:88; 71:519; 72:510; 75:315; californicus 69:343-344; canadensis 55: 156; 56:28, 186-192, 194-197, 245; 58:144-145, 148; 62:200; 69:126, 128, 132-133, 160; var. brachystachys 56: 28, 185, 191-194; 69:132-133, 138, 140 (pl. 1343), 141 (pl. 1344); var. canadensis 69:122-125, 127-130, 132-133, 138, 140 (pl. 1343), 142 (pl. 1345), 143 (pl. 1346), 144 (pl. 1347), 146, 148-153, 158-160, 330, 332, 340, 343, 346 (pl. 1358); f. canadensis 69:138; f. glaucifolius 69:138; ×diversiglumis 69:144 (pl. 1347); var. **interruptus** 69:133-134, 138, 139 (pl. 1342), 140 (pl. 1343), 141 (pl. 1344), 143 (pl. 1346), 148, 154-157, 160, 332; var. **villosus** 56:28; caput-medusae 72:378; diversiglumis

56:195; 69:122-128, 130, 132-134, 137, 139 (pl. 1342), 140 (pl. 1343), 142 (pl. 1345), 144 (pl. 1347), 145-146, 147 (pl. 1350), 149-151, 153, 155-156, 158-160, 330-351; ×canadensis var. canadensis 69:146 (pl. 1349); glaucus 70:470-471; hirsutus 58:144; 70:470-471; (hybrids) 69: 148-161, 332-344; hystrix 69:121-122, 125, 128, 135-137, 144 (pl. 1347), 145, 147 (pl. 1350), 148-150, 153-154, 157-161, 330-346, 347 (pl. 1359), 348, 349 (pl. 1361), 350-351; ×diversiglumis 69:145 (pl. 1348); ×virginicus var. glabriflorus f. glabriflorus 69:334, 345 (pl. 1357), 346 (pl. 1358), 348 (pl. 1360); ×virginicus var. glabriflorus f. australis 69:335, 346 (pl. 1359); ×virginicus var. virginicus 69:337; innovatus 58:279; 70:470-471; interruptus 56:185, 189-197; 57:266; 59: 125; 69:123, 128, 133; mollis 54:40; 58:246; 62:199-200; 64:284; 65:284; 70:468, 470-471; subsp. mollis 70: 204; occidentalis 69:127; pauciflorus 56:28; **pendulosus** 58:144-145, 146 (fig. 1), 147-148; pringlei 56: 197; riparius 51:127; 55:156; 56: 185-190, 197; 57:131; 69:138, 146 (pl. 1349), 151, 159; ×diversiglumis 69:146 (pl. 1349); sibiricus 70:467, 468 (pl. 1398), 469-471; ×Hordeum jubatum 70:470; smithii 56:28; **svensonii** 69:134-135, 137, 139 (pl. 1342), 142 (pl. 1345), 148, 153-156, 160, 330; **trachycaulus** 56:28; villosus 56:28, 197; 69:138, 147 (pl. 1350), 157-158, 160, 346 (pl. 1358); 72:79; f. arkansanus 59:232; 63:134; f. villosus 63:134; virginicus 53:20; 55:54; 56:187-189, 196; 69:122, 138, 157-161, 330, 332, 339-340, 342; 71: 519; 75:315; var. glabriflorus 69:138, 148, 157-158, 160, 332, 343; f. australis 69:138, 158, 332-333, 335-336, 338-343, 346 (pl. 1358), 350-351; f. glabriflorus 69:138, 143 (pl. 1346), 156-158, 330, 332-335, 337-343, 345 (pl. 1357), 346 (pl. 1358), 347 (pl. 1359), 348 (pl. 1360), 349 (pl. 1361), 350-351; ×hystrix 69:347 (pl. 1359), 348 (pl. 1360); var. halophilus 71: 22; var. typicus 55:121; var. virginicus 69:122, 138, 143 (pl. 1346), 155-156, 158, 160, 337, 339, 342-343, 346 (pl. 1358), 350-351; 72:510; f. hirsutiglumis 72:510; f. virginicus 69: 157, 160;; wiegandii 55:54, 83, 121; 56:185-190, 197; 69:122, 125, 128-130, 132, 137-138, 142 (pl. 1345), 143 (pl. 1346), 151-153, 159-160

Elyna spicata 74:325
Elyonurus 68:106, 355; adustus 68: 355-356; tripsacoides 68:355-356; var. brevidentatus 68:356; var. ciliaris 68:356
Elytraria caroliniensis 64:89; virgata 64:89
Elytrigia smithii 55:362
Elytrophorus articulatus 53:29
Emelista tora 67:332; 69:411
Emex spinosa 60:298, 305; 68:421
Emilia 69:448; coccinea 62:124 (fig. 8), 125; 67:355; 69:448; 70:233, 239; javanica 75:423; sagittata 67: 355; sonchifolia 57:289; 69:448; 75: 423
Empetraceae 55:171; 71:514; 75:319
Empetrum arcticum 62:273; atropurpureum 53:269; 55:51, 80, 84, 171-172; 62:268-269, 271 (fig. 2), 274 (fig. 3), 275 (fig. 4); eamesii 53: 269; 62:267-270, 271 (fig. 2), 273, 274 (fig. 3), 275 (fig. 4), 276-288; 67:380; subsp. **atropurpureum** 62: 268 (fig. 1, map), 277 (fig. 5, map), 288, 290; subsp. eamesii 62:268 (fig. 1, map), 277 (fig. 5, map), 288, 290; ×subsp. atropurpureum 62:278 (fig. 6, map); ×subsp. hermaphroditum 62:278 (fig. 6, map); subsp. **hermaphroditum** 62:268 (fig. 1, map), 280 (fig. 7, map), 289-290; hermaproditum 59:292; 62:266, 270, 271 (fig. 2), 273, 274 (fig. 3), 275 (fig. 4), 276-289, 292; f. purpureum 62:282; kardakovii 62:273; kurilense 62:273; medium 62:268 (fig. 1, map), 272; nigrum 52:62; 53:1, 269; 54:226; 55:51, 84, 171-172, 295; 59: 292; 61:123; 62:174, 265-270, 271 (fig. 2), 272-273, 274 (fig. 3), 275 (fig. 4), 276-290; 64:341; 65:92, 286; 66:62; 70:205; 72:521, 530; 74:367; 75:319; *β* hermaphroditum 62:269, 289; f. purpureum 62:281-282; var. andinum 62:267; var. hermaphroditum 54:53; 62:289; f. **ciliatum** 54: 38; var. purpureum 62:269; purpureum 62:266, 269, 271 (fig. 2), 272-273, 274 (fig. 3), 277, 281, 283, 289-290; rubrum 62:265-267, 268 (fig. 1, map), 271 (fig. 2), 273-274, 275 (fig. 4), 288; f. andinum 62:273; f. falklandicum 62:273; f. medium 62:271, 274; subsp. **eamesii** 62:269, 272, 288; var. atropurpureum 62: 269, 272, 289; sibiricum 62:273
Encalypta ciliata 62:154; procera 64: 123; streptocarpa 62:154
Encalyptaceae 62:147, 154
Enchnoa 71:199; **subcorticalis** 71:198; 199 (figs. 12-14)

Encyclia fucata 67:326; krugii 67:326; papilionacea 67:326; sintenisii 67:326
Enneapogon desvauxii 56:179, 209
Ennepta 53:232
Enslenia albida 70:431
Enteromorpha 55:104-105; 73:271 (fig. 2); 75:61, 63, 559; ahleriana 73:270-272; 74:479, 482; clathrata 71:526; 73:271-272; 74:265, 479; 75:262; compressa 74:265, 413; 75:262; erecta 71:118, 125; 72:317, 331; 74:265, 411, 413-414; 75:58, 60, 62, 263; flexuosa 73:271; subsp. flexuosa 73:271-272, 274; 74:429; subsp. paradoxa 73:268, 271-272, 274; 74:482; subsp. pilifera 73:271-272, 274; 74:479-480; groenlandica 71:118; 72:116, 317, 331; 75:58, 60; intestinalis 71:116, 118, 527-528; 72:116, 318, 331; 73:270-271; 74:265; 75:58, 263; var. intestinalis 73:273; lingulata 75:263; linza 66:233; 71:119; 72:116, 318, 331; 73:271; 74:265, 414, 479; 75:58, 363; var. linza 73:272-273; var. oblanceolata 73:271-272, 274; 74:479-480; marginata 72:116; 74:265, 412; 75:264; micrococca 71:119; 72:116, 318, 331; 75:264; minima 71:119, 527; 72:116, 318, 331; 74:266, 412; 75:264; plumosa 71:119; 73:274; 74:414; 75:264; prolifera 71:119, 527; 73:271, 274-275; 74:266, 414; 75:264; subsp. gullmariensis 73:275; subsp. prolifera 73:275; spp. 71:119, 127
Entocladia viridis 75:261; wittrockii 71:117; 75:262
Entodon cladorrhizans 53:125; 62:165; compressus 62:166; seductrix 53:125; 62:166
Entodontaceae 62:147, 165
Entophysalidaceae 71:116; 75:284
Entophysalis brebissonii 58:119; conferta 71:116; 75:284; deusta 71:116; 73:238; 75:284; granulosa 71:116; lemaniae 58:119; rivularis 58:117, 119; f. papillosa 58:119
Enthostodon fascicularis 62:170
Ephedra 72:534; antisyphilitica 51:21; 56:25
Ephemeraceae 62:147, 155
Ephemerum crassinervium 62:155; serratum 62:155; spinulosum 62:156
Epicladia flustrae 72:116, 318, 331
Epicoccum purpurascens 73:207-208
Epidendrum 59:242; anceps 67:326; belvederense 67:326; brittonianum 67:326; broadwayi 59:281-284; ciliare 67:326; 69:400; cochleatum 59:28; 67:326; var. triandrum 58:290; conopseum 56:82; 67:48; var. mexicanum 56:82; crassilabium 59:248; cucullatum 67:326; difforme 67:326; fucatum 67:326; jamaicense 58:290; krugii 67:326; lacerum 67:326; laxum 59:284; macrothyrsis 59:284; magnoliae 56:256; moirianum 67:326; nocturnum 67:326; oncidioides var. gravidum 58:291; ottonis 67:326; pallidiflorum 67:326; ramosum 67:326; 70:415; repens 59:248; rigidum 67:326; rousseaueae 59:284; secundum 67:326; sintenisii 67:326; tampense 57:277, 285; tipuloideum 59:281-282, 283 (fig.), 284; vincentinum 58:291; 67:326; yatapuense 59:284
Epifagus virginiana 54:140; 57:71-72; 67:386; 72:525; 74:141; f. **atropurpurea** 54:140; f. pallida 54:140
Epigaea repens 55:181; 67:375; 73:248; var. glabrifolia 63:66; 67:408
Epilobium 69:482; adenocaulon 53:158; 69:482; ×canadense 65:279; anagallidifolium 71:505; angustifolium 55:42-43, 45, 176; 71:505; 72:522; 75:319; f. albiflorum 55:19; 69:33; f. spectabile 55:268; var. angustifolium 65:93; ciliatum 61:23; 75:394; coloratum 54:254; 60:68; 65:274, 275 (fig. 1), 276 (fig. 2), 277, 278 (figs. 4-5), 279; 69:482; 71:171; 72:522; ×commutatum 65:279; × glandulosum var. adenocaulon 65:274; ×lineare 65:279; davuricum 59:292; glandulosum 51:99; 65:277; 70:182; var. adenocaulon 55:176; 65:93, 274, 276 (fig. 2), 277, 278 (figs. 4-5), 279; 69:482; 71:217, 522; 72:522; 75:319; var. occidentale 65:93; hirsutum 51:149; 53:269; 61:27; 62:164, 165 (fig. 1), 166 (fig. 2, map), 167-173, 174 (fig. 3), 175-176, 181, 360; hornemanni 53:14; 56:249; 68:414 (fig. 10, map), 417; latifolium 55:247, 251, 268; 65:219; 67:382; f. leucanthum 55:268; f. **munzii** 55:268; leptophyllum 53:10; 55:176; 65:93; f. umbrosum 72:522; nesophilum 56:249; 66:150; var. lupulinum 66:149-150, 415; var. sabulonense 56:249; 66:149-150; palustre 53:158; 55:176; 66:415; 71:505; 75:319; var. grammadophyllum 66:415; var. oliganthum 72:522; var. palustre 66:415-416; strictum 53:5, 269; 56:249; 72:522; ×**wisconsinense** 65:274, 275 (fig. 1), 276 (fig. 2), 277 (fig. 3), 278 (figs. 4-5)
Epipactis 51:163; 75:166-167; helleborine 51:162-164; 53:82, 84, 88, 240-242, 248; 57:131; 62:142; 70:196,

198; 71:169, 564; 75:166; var. viridans 51:163; latifolia 51:163; viridiflora 51:163
Epipremnopsis huegueliana 62:256
Epipremnum pinnatum 62:254, 256; sp. 62:256
Epipyxis tabellariae 71:464 (fig. 40), 465; utriculus 71:465
Episcia 69:443; fulgida 69:443
Epistephium ellipticum 59:284-285; minutum 59:285; tenuifolium 59:284-285
Epithemia sp. 63:280; turgida 64:54
Equisetaceae 55:89; 63:211, 341; 71:574; 75:313
Equisetum 74:525; arvense 55:42, 89; 56:64; 60:64, 69; f. campestre 69:30; var. arvense 72:507; var. boreale 55:89, 225; 65:87; 71:167; 75:313; fluviatile 55:90; 58:59, 65; 67:195; 70:205; f. linnaeanum 55:90; hyemale 56:64; 74:324, 527; var. affine 55:46, 90; 63:341; 74:526-527; var. elatum 74:526; ×litorale 69:30; palustre 55:82, 90; 71:504; 73:58, 105; 74:389; praealtum 74:526; pratense 55:89; 73:105; robustum 74:526; scirpoides 55:47, 51, 78, 90; 70:210; 71:504; 74:389; sylvaticum 56:64; 63:40; var. pauciramosum 65:87; 72:507; 75:313; f. multiramosum 55:89; 72:507; variegatum 55:90; 57:114; 63:40; subsp. variegatum 65:212; var. jesupi 53:16; 69:31; var. nelsonii 63:40; var. variegatum 69:30-31
Eragrostis 68:102, 224; 71:480; amabilis 69:372; 75:369; articulata 68:225, 227; var. glabrescens 68:227; bahiensis 68:224, 228; boliviensis 68:228; buchtienii 68:228; capillaris 63:134; cilianensis 56:26-27, 179, 245; 59:232-233; 68:224, 226, 441; 72:188; ciliaris 57:283; 64:224-225; 75:413; var. laxa 75:412; curvula 56:273; 63:148; 65:81; diffusa 56:27, 179; 63:41; domingensis 71:479; elliottii 57:283; excelsa 75:412; expansa 68:225, 229; frankii 59:232; glomerata 56:158; 68:225-226; glutinosa 67:319; hypnoides 51:11, 127; 52:52; 63:137; 68:225; intermedia 68:518; lugens 60:11; 68:225, 229; lurida 68:225, 228; maypurensis 68:225-226; megastachya 56:26-27, 245; 72:188; var. major 56:27; mexicana 68:225, 228; montufari 68:225, 228; multicaulis 51:8, 127; 65:74; 67:195; 72:47; nigricans 68:225, 227; pectinacea 52:52; 56:27, 179; 65:74; 67:195; 68:515; 69:31; peregrina 51:8, 127; perplexa 63:41; pilifera 56:27; pilosa 57:283; 68:225, 227, 515; plana 72:188; poaeoides 55:18; 56:27, 179; 59:232-233; 63:134; 69:31; polytricha 68:225, 229; reptans 63:137; soratensis 68:229; spectabilis 60:67; 71:31; 73:58; 74:389; var. sparsihirsuta 68:516; subatra 68:227; tenella 69:372; tracyi 57:275, 282-283; 67:312-313; trichodes 56:27; uniolae 68:224; urbaniana 67:319; 75:413
Erebinthus 51:292
Erechtites 69:448; hieracifolia 55:225; 57:289; 62:125; 69:448, 452; 70:233, 239; 71:27, 34; var. intermedia 54:130; 72:527; var. praealta 54:130; 72:527; hieraciifolia 69:452; valerianaefolia 62:125; 67:355
Eremalche 69:15, 21
Eremolepis wrightii 67:328
Eremosphaera 64:57; viridis 58:119; 63:277
Erianthus 68:106, 346; alopecuroides 52:21; 66:268, 269 (pl. 1304); angustifolius 68:347; brevibarbis 70:49; coarctatus 66:380; compactus 52:71; giganteus 56:158; 66:380; var. **compactus** 52:71; ravennae 59:28, 123-124; saccharoides var. compactus 52:71; strictus 58:136; trinii 68:347
Ericaceae 52:296; 55:181; 62:237; 63:342; 67:344; 71:33, 514; 75:320
Erigenia 66:311; bulbosa 66:311
Erigeron 61:272; 69:448; 75:116, 119; sect. Erigeron 75:119; acris 53:50; affine 74:500; alamosanum 74:501; alaskanus f. **albiflorus** 54:39; angulosus var. kamtschaticus 55:197; annuus 60:68, 72; canadensis 55:197; 60:68; 62:99; 69:448; 71:34; 72:527; canbyi 74:395; cinereus 74:83; compositus 65:211; var. glabratus 65:222; coronarius 64:272, 274; 65:227; coulteri 55:197; cuneifolius 69:448; delphinifolius 64:263; 65:227, 230 (fig. 11), 234-235; subsp. neomexicanus 65:227; var. neomexicanus 65:228; var. oreophilus 65:227; divergens 65:228, 230 (fig. 12), 235; var. cinereus 51:23, 28; 65:235; elongatus 55:197; eriocephalus 54:280; 55:252; exilis 63:342; flagellaris 56:212; grandiflorus 75:116, 118; heteromorphus 64:263; **hultenii** 75:116, 117 (fig. 1), 118-119; humilis 54:280; hyperboreus 75:118; hyssopifolius 53:9; 67:92; 68:414 (fig. 10, map), 417; 70:182, 184; karvinskianus 64:263; longipes 74:500; macranthus 74:106; maximus 62:123, 125-126; muirii 75:118; myrionactis

75:406; nudiflorus 56:208; peregrinus 75:118-119; philadelphicus 53: 14; 54:227; 55:196; 71:34; pubescens 63:122, 123 (fig. 6), 127; 65: 228, 230 (fig. 13), 235; pulchellus 60:68; 72:2, 16; f. **tolsteadii** 52:59; var. tolsteadii 52:59; purpuratus 52: 252; pusillus 73:49; quercifolius 57: 289; 71:34; repens 64:263; 75:406; scaposus 63:122, 127; 64:253, 263-264, 274; 74:500; *β* latifolium 74: 500-501; simplex 75:118; sp. 63:123 (fig. 7), 127; speciosus 74:106; var. macranthus 74:106; strigosus 55: 197; 66:380; 71:34; var. septentrionalis 55:197; var. strigosus 72:527; tenellum 74:501; tenuis 63:147; unalaschkensis 54:280; uniflorus 54: 280; subsp. eriocephalus 75:118; velutipes 74:501; vernus 71:34
Eriocarpum megacephalum 62:321
Eriocaulaceae 53:80; 55:136; 71:31; 75:383
Eriocaulon compressum 71:31; decangulare 71:31; lineare 66:380; 71: 31; 75:369, 382-383; parkeri 53:80, 88; pellucidum 61:31; septangulare 53:80, 84; 55:54, 80, 136; 56:226; 61:31, 288; 72:513; 73:256; texanum 75:383
Eriochloa 61:307; 68:107-108, 297; contracta 57:159; 61:307; 68:518; distachya 68:297; gracilis 56:179; 61:307; 67:181; 68:518; polystachya 67:318; punctata 67:297-298; subglabra 67:318; villosa 53:113; 61: 308
Eriochrysis 68:104, 346; cayennensis 68:346; warmingiana 68:346
Eriogonum 61:272; atrorubens 74:351; flavum 57:291; 58:287; 70:26-27, 36; gordonii 74:391; harperi 74:154; jamesii 51:20; lachnogynum 51:20; sericeum 70:36; tenellum 51:20, 24; tomentosum 73:492; trichopes 74: 391
Eriopezia 56:109
Eriophorum 53:208; 54:40; alpinum 51:110; 73:105; angustifolium 55: 127; 58:65; 63:41; 65:27, 30, 89; 72:512; 75:315; f. **scammanianum** 53:208; subsp. angustifolium 65: 213; var. majus 65:27, 33; brachyantherum 65:213; callitrix 71:508; chamissonis 58:65; gracile 65:27, 31; 70:206; russeolum 53:50; scheuchzeri 53:157; 65:213; var. scheuchzeri 53:157; spissum 55:127; 58:246; 65: 27, 29-30, 89; 72:512; 75:315; tenellum 51:168; 53:10; 65:27, 29, 89; 72:512; f. **axillare** 52:46; f. **gorhamii** 53:208; triste 53:208; vaginatum subsp. spissum 65:213; 70:207; subsp. vaginatum 65:213; 71:504; virginicum 52:47; 65:27, 29, 89; 71: 23; 72:512; 75:315; viridicarinatum 63:41; 65:27, 30
Eriophyllum 58:164; 66:67; absinthifolium 66:292; alpinum 53:50; ambiguum 66:307, 309; ambrosioides 66:208; bigelovii 66:213; biternata 66:201; chrysanthemoides 66:190; confertiflora 66:308-309; lanatum var. achillaeoides 66:307-308; var. arachnoideum 66:308-309; var. cuneatum 66:308; var. grandiflorum 66: 308; var. integrifolium 66:308-309; var. lanatum 66:308; oppositifolium 66:285; pedatum 66:204; staechadifolium 66:308-309; wallacei 66:309; woodhousei 66:290
Eriosema 51:381; grandiflorum 51: 381
Eriosorus 65:56; **accrescens** 65:57; aureonitens 65:57; **lechleri** 65:56; **orbignyagnus** 65:66; **rufescens** 65: 56; **stuebelii** 65:57
Erithalis 69:445; fruticosa 66:15; 69: 445; 73:206; odorifera 66:15
Eritrichium aretioides 71:506
Ermania 54:86, 88, 110; borealis 54: 86, 112; parryoides 54:88
Ernodea 66:15; 69:445; 72:35-36; angusta 72:35; littoralis 57:279, 288; 69:445; 72:35-36; var. **angusta** 72: 35; var. littoralis 72:35; nashii 66: 15
Erodium cicutarium 55:222; 65:75; moschatum 51:8; 53:22; texanum 52:20, 35
Eroteum albopunctatum 67:340
Eruca sativa 62:13, 15, 19; 63:49, 55
Erucastrum gallicum 51:148; 55:154, 291-292; 63:49, 55; obtusangulum 63:345
Ervum multiflorum 70:30
Eryngium baldwinii 57:287; beechyanum 62:179; ebracteatum 71:548, 550; integrifolium 71:33; maritimum 54:175; prostratum 51:20; 54:175-176; 55:15-16; yuccifolium 57:266; 66:380; var. synchaetum 71:33; 73: 495
Erysimum asperum 70:34; cheiranthoides 53:158; 63:49, 54; 72:518; inconspicuum 51:8; 54:254; 63:49, 53-54; 65:78; montanum 70:36; pallasii 65:217; pannonicum 63:49, 55; repandum 55:225; 63:49, 55; 74:391
Erythrea 75:509
Erythrina 69:413; corallodendron 69: 413; eggersii 67:335; herbacea 57: 286; 64:151; horrida 67:335; indica

69:413; sp. 69:413; variegata var. orientalis 69:413
Erythrocladia subintegra 75:272
Erythrodes hirtella 59:287; 67:325; plantaginea 59:286; 67:325; **schultesiana** 59:286 (fig. 1), 287; trinitatis 59:285, 287; xystophylla 59: 287
Erythronium 71:563; americanum 53: 80, 85; 58:83, 110; 63:38, 146; 67: 372; 68:420; 72:349; f. castaneum 53:80; carolinianum 63:38-39; 64: 90; 65:173, 185
Erythropeltidaceae 71:131; 72:202; 75:272
Erythrotrichia carnea 71:131; 72:201-202, 237; 73:283; 74:298; rhizoides 75:272
Erythroxylaceae 67:335; 69:415
Erythroxylum 69:415; brevipes 67: 335; 69:415; coca 70:119; 71:438; rotundifolium 67:335; 69:415; rufum 67:335
Eschatogramme desvauxii 63:35
Escherichia coli 70:422
Eschscholtzia californica 63:47, 55
Eschscholzia 51:6
Euastrum 63:278; abruptum 63:278; f. minus 63:278; affine 73:65; bidentatum 63:278; binale 63:278; f. minor 63:278; didelta 71:454; elegans 63:278; 64:54; evolutum 63: 278; var. integrius 63:278; gemmatum 63:278; insulare 63:278; pictum 63:278; pulchellum 63:278; 64:54; 71:454; sinuosum var. reductum 63: 278; verrucosum 64:54
Eucalyptus 54:303; 69:430; camaldulensis 69:430; rostrata 69:430
Euchroma purpurea 56:162
Eucnide bartonioides 61:231-234, 237; cordata 61:232, 234, 240; floribunda 61:237; grandiflora 61:232, 241-242; var. grandiflora 61:233, 241-242; var. **guatemalensis** 61:232-233, 242; guatemalensis 61:231, 242; hypomalaca 61:231, 239; lobata 61:234, 237; nelsonii 61:232, 238; parryi 61:236; pringlei 61:232, 239; var. hypomalaca 61:232, 234, 239; var. pringlei 61:234, 238-239; sinuata 61:232-233, 238; urens 61:231-233, 236; watsoni 61:237; xylinea 61:231-233, 235
Eudesme virescens 71:124; 72:325; zosterae 71:125
Eudorina elegans 71:454; 73:66
Eugenia 69:430; aeruginea 67:343; anthera 57:277, 287; axillaris 57: 277, 279, 287; 69:430; bellonis 69: 375; biflora 69:389, 430; buxifolia 57:287; 67:343; clarendonensis 59: 303-305; confusa 59:303-305; cordata 69:431; dicrana 72:23; domingensis 67:343; farjardensis 67:343; floribunda 67:343; 69:431; glabrata 67:343; haematocarpa 67:343; jambos 69:432; jeremiensis 60:326; lancea 69:430; maleolens 67:343; margarettae 67:343; monticola 69: 431; myrtoides 57:277; **perratoni** 59:305-306; polypora 59:305; procera 69:431; pseudopsidium 69:431; rhombea 69:431; saviaefolia 67:342; sessiliflora 69:431; sintenisii 69:431
Euglena acus var. rigida 69:55, 56 (fig. 1); gracilis 64:54; polymorpha 63:280; sp. 63:280; spirogyra 64:55; 71:462
Euglenaceae 63:280
Euglenophyceae 71:462
Euglenophyta 63:280; 69:55
Eulophia alta 67:327; ecristata 67:48
Eunotia robusta var. diadema 63:280; var. tetrodon 63:280
Eunotiaceae 63:280
Euonymus americanus 51:155; atropurpureus 52:277; 71:303; europaeus 69:379; 74:321; fortunei 73: 213; 74:147; obovatus 70:431; 72: 492
Euosmus benzoin 51:159; diospyrus 51:159
Eupatorium 69:448; 70:231, 455; 71: 566, 570, 577, 579; sect. Conoclinium 65:233; sect. Eximbricata 71:566; 65:233; sect. Hebeclinum 71:577, 579; albicaule 74:501-502; var. laxius 74:501-502; album 71: 34; var. glandulosum 61:76; altissimum 70:455; amygdalinum 72: 97; **anchisteum** 71:567, 568 (pl. 1429), 569-570, 572; anomalum 51: 141; 66:379; arsenei 71:566, 574, 576; aschenbornianum 64:262; 71: 567, 570; ballotaefolium 70:230 (fig. 8), 236; 72:95, 97; bellidifolium 71:566-567, 572; bertholdii 74:504; betonicum 64:262; 65:233; borinquense 67:354; bupleurifolium 72:94, 97; callilepis 70:236; capillifolium 54:130; 57:289; 66:379; 71:34; choricephalum 71:566-567, 570, 574-576; ciliatum 71:567; coelestinum 59:33; 71:34; 73:571; 74:103; f. album 73:571, 573; f. illinoense 73: 571, 573; collinum 74:503; var. collinum 74:502; var. **mendezii** 74:503; compositifolium 73:566; congestum 70:236; cordigerum 51:131, 142; corymbosum 67:354; 69:448; cuneifolium 51:142; 54:179; dissectum 69:353; dubium 73:261, 460; eximium 74:273; fendleri 74:83; fistu-

losum 60:206; 63:20; 71:197; 72:79; geraniifolium 67:355; glabratum 63: 121-122, 123 (fig. 1), 126; gracilicaule 64:262; greggii 65:226, 230 (fig. 1), 233; hebebotryum 74:503; hyssopifolium 55:16; 70:455; 71:34; 73:497; var. calcaratum 55:16; incarnatum 52:40; 73:567; incomptum 71:579; intermedium 70:230 (fig. 6), 236; iresinoides 67:355; ivaefolium 67:335; kleinioides 62:122-123, 124 (fig. 1), 125; laetevirens 70:236; 72: 95, 97; lanigerum 70:236; lasium 71:566-567, 572, 574; leptophyllum 51:142; leucoderme 74:501; leucolepis 66:379; 71:34; ligulifolium 62:125; linearifolium 51:142; macrophyllum 67:354; 70:236; maculatum 53:20; 55:15, 237; 73:261; f. faxoni 55:19; var. foliosum 55:195; mariarum 71:567; mendezii 74:503; microcephalum 74:505-506; microstemon 73:570; mikanioides 57:289; mohrii 54:179; morifolium 64:260 (fig. 2), 262; muelleri 71:566-567, 570, 572; neaeanum 74:503; nigrescens 74:503; odoratum 67:354; 69:449; 73:48; oliganthes 54:232; orbiculatum 70:236; organense 72:94, 97; oteroi 67:355; ovaliflorum 74: 504; **ovandense** 71:577-579; ovatifolium 74:504; pallescens 70:236; pazcuarense 62:177 (fig. 1), 182; 63:121, 126, 342, 344; 71:567; parasiticum 74:272; perfoliatum 54: 254; 55:195; 60:295; 73:261; var. cuneatum 54:210; var. perfoliatum 72:526; petiolare 64:260 (fig. 3), 262; petraeum 74:504, 506; polybotryum 74:504-506; portoricensis 67: 355; prunellaefolium 63:121-122, 123 (fig. 2), 126; pubescens 61:77; pycnocephalum 64:252, 260 (figs. 4-5), 262-263; 73:570; quadrangulare 64:263; recurvans 51:143; resinosum 54:179; rothrockii 71:567; rotundifolium 51:142; 71:34; 73:111; var. ovatum 61:77; var. rotundifolium 61:77; rugosum 51:111; 56: 251; 71:173; f. villicaule 71:173; scabrellum 74:505; scorodonioides 63:121, 126; serotinum 70:455; sessilifolium 51:108; 111; sinuatum 67:355; 69:449; spp. 69:387; stillingiaefolium 74: 502-503; tepicanum 74:503; tortifolium 51:142-143; tremulum 72:94, 97; urticaefolium 51:111; 69:452; urticifolium 69:452; velutinum 70:230 (fig. 7), 236; verbenaefolium 66:380; 69:452; verbenifolium 69:452; ymalense 74: 501-502

Euphorbia 54:287; 55:355; 69:249, 419; 72:535; subgen. Chamaesyce 68:155; adenoptera 67:185; albomarginata 52:20, 36-37; ammannioides 57:286; articulata 69:418; blodgettii 69:418; brasiliensis 68: 160; buxifolia 57:281, 286; caruncula ta 65:203; chamaesyce 68:155, 163-164; 71:32; commutata 60:296; corollata 51:111, 120; 60:206; 66: 377, 379; 71:32; 73:494, 508, 510, 512, 514; cyathophora 69:374; cyparissias 52:295; 72:521; dentata 60:17; 63:212; dictyosperma 64:357; esula 54:255; fendleri 74:83; geniculata 69:374; geyeri 57:314; glomerifera 68:160; heterophylla 57: 286; 63:212; 69:374, 419; var. graminifolia 55:160; hirta 57:286; 60:18; 69:418; hypericifolia 55:242; 62:136-137, 140; 68:155, 159-163; 69:418; hyssopifolia 57:286; 68:160-161, 163; 69:419; ipecacuanhae 60: 291; lactea 69:419; lasiocarpa 68: 160-161, 163; lata 52:20; lecheoides 66:8; maculata 55:241-243; 57:286; 62:134-140; 68:155-161, 164-165; 71: 32; mesembrianthemifolia 69:418; milii 69:419; missurica var. **calcicola** 54:127; nutans 55:241; 62:137-138; 68:160, 163; obtusata 56:228; 64:357; oerstediana 67:338; peplus 72:521; petiolaris 67:338; 69:419; pilulifera 57:286; 68:160; polygonifolia 63:288; 71:26; preslii 55:241; 62:137-138; 68:160, 163; prostrata 68:155, 158, 163-164; pulcherrima 69:419; splendens 69:419; strictospora 74:392; supina 55:241-243; 60:68; 62:137-138; thymifolia 68: 155, 158, 164; tirucalli 69:420; torrida 71:484; trichotoma 57:286; vermiculata 57:268

Euphorbiaceae 51:208; 52:295; 63:211; 64:147, 151; 65:199; 66:13; 67:337; 69:241, 395, 418; 70:410; 71:32, 497; 72:21; 73:48-49; 75:417; subfam. Crotonoideae 65:199; trib. Acalypheae 69:241; trib. Stenolobeae 65:199; subfam. Phyllanthoideae 65: 199; subtrib. Phyllanthinae 65:193

Euphrasia 54:145; americana 64:346; 65:94; 66:151; 71:172, 522; 75:320; arctica 53:4; 54:145-148, 150-151, 153; 55:190-191; f. minutissima 54: 153; var. arctica 54:149, 151; var. **inundata** 54:153; var. minutissima 54:153; var. **obtusata** 54:152; var. **stromoensis** 54:154; var. **submollis** 54:153, 155; brevipila 54:148; f. subeglandulosa 54:148; var. notata 54:148; canadensis 64:343, 346; 65:

94; 66:151; 71:172, 522; 72:525; curta 54:148; f. glabrescens 54:148; var. glabrescens 54:148; disjuncta 54:146; 60:308; eurycarpa 54:150, 153; foliosa 54:148; foulaensis 54: 154; frigida 54:147-150, 152, 155; f. eglandulosa 54:150; f. purpurea 54:150, 155; var. attenuata 54:153; var. inundata 54:153; var. laxa 54: 149, 152; var. minutissima 54:149; var. obtusata 54:149; var. palustris 54:149, 155; var. purpurea 54:150, 155; var. pusilla 54:153; var. stromoensis 54:154; var. subcurta 54: 147, 149, 151; hudsoniana 55:51, 76, 190-191; kashmiriana 54:148; latifolia 54:145-149, 151-152, 154-155; var. inundata 54:149, 153; var. obtusata 54:152; var. subcurta 54: 147, 151; var. subfoulaensis 54:154; var. submollis 54:150, 153; marshallii 54:147-149, 151; var. pygmaea 54:153; micrantha 54:154; 60:307-308; minima 54:149, 152, 155; var. palustris 54:149; var. pilosa 54: 155; officinalis var. latifolia 54:146, 151; platyphylla 54:148; purpurea 54:146, 148; var. randii 54:146; randii 64:346; 66:151; 71:522; 72: 525; 75:320; var. farlowii 65:94; var. randii 65:94; var. rockii 53:19; scotica 54:154; subarctica 53:159; 55:190-191; 60:308; williamsii 54: 148; var. vestita 54:146
Eurhynchium hians 53:125; 62:165; praelongum 62:170; pulchellum 62: 165; var. scabrisetum 62:165; rusciforme 53:125; 62:164; serrulatum 53:125; 62:165; stokesii 54:158; striatum 62:170; strigosum 53:125; 62:165; var. scabrisetum 62:165
Eurotia lanata 52:167
Euryale ferox 70:170-171
Eustachys petraea 67:319
Eustoma exaltatum 57:287; 73:48-49; grandiflorum f. **album** 62:320; 74: 385; f. fisheri 62:320; maculata 57: 58; russellianum f. album 62:320; f. fisheri 62:320
Euterpe globosa 67:322
Euthamia 70:50; leptocephala 54:130; tenuifolia 52:44
Eutheta 69:84
Euthora cristata 66:221, 226-227; 71: 153-154; 72:177, 200, 202, 213, 230-231, 233, 237, 323, 334; 73:283; 74: 269, 423
Eutoca franklinii 62:206; sericea 62: 206, 220
Eutrema edwardsii 54:49, 52, 216; penlandii 54:141
Eutypa 71:195
Evernia mesomorpha 60:76
Evolvulus 69:436; alsinoides var. linifolius 67:347; argenteus 70:36; bocasanus 67:347; glaber 69:436; linifolius 67:347; pilosus 70:36; sericeus 69:436; sessiliflorus 70:36; tenuis var. longifolius 67:347
Evonymus atropurpureus 62:200
Exocarpus 71:441
Exochorda grandiflora 69:309, 318
Exogonium arenarium 67:347; 69:436; repandum 67:347; 69:436; solanifolium 67:347
Exostema 69:445; caribaeum 69:445; ellipticum 67:353

Faba 70:496
Fabaceae 69:395, 411; 70:492-493, 495-496; 71:32, 497
Fabroniaceae 62:147, 161
Facelis apiculata 60:27; retusa 60:27
Fagaceae 52:293; 58:128; 63:211
Fagara 75:417; anadenia 62:236; azuensis 62:236; clava-herculis var. fruticosa 69:481-482; domingensis 62:236; fruticosa 69:481-482; furcyensis 62:236; haitiensis 62:236; lenticellosa 62:237; leonardi 62:237; nigrescens 62:237; obcordata 62: 237; obtriangularis 62:237; tetraphylla 62:237
Fagopyrum sagittatum 60:298, 304; 72:516; tataricum 60:298, 305
Fagus crenata 73:213; grandifolia 52: 293; 54:64; 58:39, 128, 130; 59:258; 62:92; 63:65, 67-68; 67:386; 69:51-54; 70:224; 72:280, 515; 73:248; 74: 524; f. mollis 69:53; f. pubescens 58:128; var. caroliniana 58:128; 69:53; sylvatica 58:128; 61:96; var. atropurpurea 58:128
Falcaria sioides 60:41; 65:81
Fallugia paradoxa 53:204; 56:210
Faramea 69:445; occidentalis 69:445
Farsetia triquetra 54:184
Ferula foeniculacea 70:36; pubescens 70:36
Festuca 68:103, 112; altaica 55:248; 71:504; f. **pallida** 54:36; f. **vivipara** 54:36; arundinacea 56:181; 59:27; 68:441; 70:564-567; baffinensis 70: 103, 106, 109-110; brachyphylla 55:118-119; 70:103, 105-106; buchtienii 68:114; cristata 58:96; dolichophylla 68:113-114; elatior 58: 246; 59:233; 60:65; 68:441; 70:564-567; 72:509; f. aristata 72:509; subsp. arundinacea 70:565; subsp. pratensis 70:565; var. arundinacea 70:564; var. pratensis 70:564; fiebrigii 68:113; gerardi 58:95; gigantea 59:18; inermis 52:210; var.

villosa 52:210; laeteviridis 68:114; megalura 52:52; 68:112-113; myuros 73:61; 75:369; obtusa 51:125; 57: 302, 304; 59:233; 72:6, 339, 346; orthophylla 68:113-114; var. boliviana 68:114; ovina 60:65; 70:105; pflanzii 68:114; pratensis 68:441; 70:564-567; procera 68:112-113; prolifera 54:221; 68:413 (fig. 8, map), 417; 70:204; var. lasiolepis 54:221; 68:412 (fig. 6, map), 417; rigescens 68:113-114; rubra 52:293; 57:302; 60:67; 63:135; 65:213; 70:203-205; 71:20, 22; subsp. richardsonii 70: 204-205; var. glabrata 70:204-205, 208; var. arenaria 70:204-205; var. commutata 60:67; 65:88; 66:62; var. prolifera 70:204; var. rubra 64:344; 71:519; 72:509; 75:314; f. megastachys 72:509; saximontana 55:118-119; splendens 58:95; sublimis 68: 112-113; ulochaeta 68:112-113; vivipara 70:103, 105-106
Ficus 69:401; aurea 57:276-277, 285; brevifolia 72:23; carica 58:129-130; citrifolia 67:327; 69:401; crassinervia 69:401; f. stahlii 67:327; laevigata 67:327; 69:401; laurifolia 71: 438; nitida 67:328; perforata 67: 327; retusa 67:328; sintenisii 67: 327; trigonata 67:327; 69:392, 401
Filago arvensis 55:228, 237; f. subsimplex 55:228
Filipendula hexapetala 69:309, 318; rubra 54:254, 259; 57:267; 69:32, 309, 318; ulmaria 56:39; 69:309, 318; 72:519; 75:318; var. denudata 69:309, 318
Fimbristylis 67:109; 75:379; aestivalis 67:109-110; annua 67:109; 75:414; autumnalis 60:206; 65:27, 30; 74: 294; 75:414; f. brachyactis 54:126; var. mucronulata 65:28, 31; castanea 57:278, 284; curassavica 67:321; cymosa 67:321; dichotoma 67:321; diphylla 67:321; monostachya 67: 109-110, 321; perpusilla 75:378-379; portoricensis 67:321; puberula 75: 368; spathacea 67:321; vahlii 51:21; 65:81; 66:161; vestita 67:321
Fischerella ambigua 58:119
Fissidens adiantoides 52:73; 53:122; 62:151; f. **immarginatus** 52:73; var. immarginatus 52:73; bryoides 62: 151; bushii 62:151; cristatus 53: 123; 62:151; f. **immarginatus** 54: 156; debilis 62:151; exiguus 62:152; julianus 53:119, 123; 62:151; minutulus 62:152; osmundoides 59:26; 62:152; subbasilaris 62:152; taxifolius 53:123; 62:152; viridulus 62: 152
Fissidentaceae 53:122; 62:147, 151
Flacourtiaceae 59:242; 65:14; 67:341; 69:427
Flaveria 72:42; bidentis 66:15; 73:47; 75:422; floridana 57:279, 289; 67: 313; 72:42; latifolia 72:42; ×latifolia 72:42; linearis 57:278-279, 289; 72:42; 73:48; var. latifolia 72:42; trinervia 67:355; 75:442
Fleischmannia 73:466; incarnata 73: 567, 568 (fig. 1, map), 569 (fig. 2), 570; langlassei 69:360; microstemon 73:570; pycnocephala 73:569 (fig. 2), 570; schaffneri 69:357; standleyi 69: 357; urenifolia 69:360; var. mexiae 69:357; var. typica 69:360
Fleurya 69:401; aestuans 69:401
Floerkea proserpinacoides 53:269; 55: 225
Florestina 66:67; pedata 64:275
Florideae 72:205
Florideophycidae 71:131; 75:531
Flueggea virosa 65:199; 67:337
Foeniculum 69:432; foeniculum 67: 344; 69:432; vulgare 67:344; 69:432
Fontinalaceae 62:147, 159
Fontinalis 72:278; antipyretica 62: 159; 72:277; var. gigantea 62:159; 72:277; biformis 62:170; dalecarlica 53:127; 62:159; 72:277; disticha 62: 170; flaccida 62:160; gigantea 73:64; lescurii 62:160; var. ramosior 62: 170; novae-angliae 53:127; 58:249; 62:160; 72:276-277; var. latifolia 53:119, 127; 62:160; sullivanti 62: 160
Forasaccus inermis 52:210; pumpellianus 52:211
Fordia 51:222
Forestiera 61:293; 69:434; acuminata 60:327; cassinoides 60:328; 61:293-294; eggersiana 69:434; ligustrina 75:135; porulosa 57:277, 279, 287; 60:328; 61:293; 67:313; segregata 61:293; 69:434
Forsellesia planitierum 56:208
Forsstroemia trichomitria 62:160
Forsteronia corymbosa 67:346; portoricensis 67:346; 70:415
Forsythia 52:296
Fosliella farniosa 75:274; lejolisii 72: 211; 74:424; 75:274
Fosterella 71:35, 220; albicans 71:220-221; gracilis 71:220, 223; graminea 71:220, 222; pearcei 71:220; penduliflora 71:220, 223; rusbyi 71:220-221; schidosperma 71:220, 223; villosula 71:220, 222; weddelliana 71:220-221
Fothergilla major 52:295; 72:56; 75: 389; monticola 72:56
Fragaria ×ananassa 69:309, 318; 72: 519; vesca 69:309, 315; f. alba 57:

266; var. americana 55:167; 69:309, 315; virginiana 55:46, 167; 60:67; 69:309, 315; 70:210; 75:318; var. terrae-novae 65:92; 69:309, 316; 72:519; var. virginiana 65:92; 72:519
Fragilaria capucina 63:280; 64:55; 71:467; construens 64:55; crotonensis 64:55; 71:467; var. prolongata 64:55; sp. 63:280
Fragilariaceae 63:280
Frankenia **johnstonii** 68:424
Franseria acanthicarpa 52:174; 69:454; acanthocarpa 69:455; bipinnatifida 72:372; chamissonis 72:372; confertiflora 52:174; discolor 59:30-31; tomentosa 52:174; 74:394
Frasera carolinensis 54:176; 57:10; verticillata 57:10
Fraxinus americana 60:68, 71; 63:65, 288, 295; 72:2; 73:306, 462; var. americana 72:524; nigra 51:12; 53:225; 55:43, 46-47, 186; 57:131; 63:65, 68, 289; 67:374; pennsylvanica 55:185; subsp. velutina 73:375; var. lanceolata 55:185; var. subintegerrima 55:185; 72:524; profunda 51:155; quadrangulata 59:127; 64:333; 72:273; sp. 72:79; tomentosa 51:155; 57:315
Fremyella grisea 75:293
Fritillaria alba 70:37; americana 70:37; atropurpurea 70:37; camtschatcensis 65:187
Froelichia arizonica 60:301, 305; floridana 51:134; 52:261; 57:285; 60:14; 73:492; var. campestris 60:208; gracilis 58:35; 60:14, 41, 116; 64:354
Frullania asagrayana 53:121; 59:252, 257; bolanderi 60:211, 225 (fig. 12, map), 226-229, 244, 247-248, 252; brittoniae 53:121; 59:256-257; eboracensis 53:121; 59:257; inflata 59:256-257; kunzei 53:119, 121; 59:257; oakesiana 59:257; obcordata 59:257; plana 59:256, 258; saxicola 59:256; squarrosa 59:256; tamariscii 59:256
Frullaniaceae 53:121
Fucaceae 71:129; 74:268; 75:270
Fucales 71:129
Fucus 75:150, 539, 553, 568; alatus γ angustissimus 66:235; distichus subsp. distichus 71:130; 72:116, 320, 337; 74:409, 418; subsp. edentatus 71:130; 72:116, 321, 337; 74:418; subsp. evanescens 71:130; 72:117, 321, 337; 73:281; 74:418, 477, 480, 483 (fig. 1); edentatus 66:219 (pl. 1298), 220, 229, 231-232; 74:268; evanescens 74:268; filiformis 74:268; miclonensis 71:154; spiralis 71:154; 72:117, 321, 337; 74:268; spp. 71:123, 125; 72:203-204, 210, 320; vesiculosus 66:218, 220, 230-231; 71:115, 118, 125, 130-132; 72:117, 199, 321, 337; 73:274, 277-278, 281-282; 74:268, 295, 298, 409, 411, 418-419, 480-481, 483 (fig. 1); 75:58, 262, 269-270; var. sphaerocarpus 75:271; var. spiralis 72:321, 327; 73:282; 74:411, 418, 482; 75:58, 60
Fuertesiella grandiflora 59:248; pterichoides 59:248
Fuirena 67:103; 75:376; pumila 65:28, 31; 75:376; simplex 54:254; squarrosa 67:321; umbellata 67:103, 321
Fumana 69:186
Fumaria 51:31-32; bastardii 51:32; bulbosa 70:297; cava 70:297; intermedia 70:297; solida 70:297; officinalis 51:31; 63:47, 54; 71:170
Funaria flavicans 53:124; 62:156; hygrometrica 53:124; 62:156
Funariaceae 53:124; 62:147, 156
Funastrum 51:58; clausum 67:346; glaucum 67:346
Furcellaria fastigiata 71:154
Fusarium sp. 73:307-308
Fusidium sp. 73:308

Gaillardia 58:164; 59:129; 66:67; **aestivale** 58:315; aristata 58:288; 59:100; 70:51; chrysantha 73:554; fastigiata 62:321; fimbriata 59:177; grandiflora 59:100; 70:51; lanceolata 58:314-315; var. **fastigiata** 62:321; var. flavovirens 73:554; var. winkleri 73:554; lutea 58:314-315; 73:554; var. winkleri 73:554; pinnatifida 52:20, 37; 65:231; pulchella 70:223; 75:422; rigida 62:321; **serotina** 58:315; 73:554
Galactia 51:381-382; 69:394, 413; dubia 69:413; eggersii 69:413; elliottii 51:381; floridana 73:493; macreei 64:151, 157 (fig. 18); marginalis 51:320; martii 63:17 (fig. 3), 18; parvifolia 57:286; striata 69:413; volubilis 57:286
Galanthus elwesii 52:183
Galardia amara 59:131; bicolor 56:257; fimbriata 59:102-104, 149, 152-154, 168, 173-175, 178, 203
Galathea bulbosa 67:324
Galax 52:260; aphylla 58:40; 67:394, 395 (fig. 1, map)
Galeana pratensis 64:259, 261 (fig. 28); 74:205
Galega 51:197, 206, 220, 222, 267, 276, 292; ambigua 51:305; caribaea 51:198, 380; cathartica 51:378, 382; chrysophylla 51:311; cinerea 51:378, 382; domingensis 51:378-379;

filiformis 51:381; florida 51:305, 310-311; frutescens 51:249, 381; grandiflora 51:372; hirta 51:378-379; hispidula 51:299, 305; linearis 51:379; littoralis 51:379; longifolia 51:382; ochroleuca 51:382; paucifolia 51:292; perriniana 51:378; piscatoria 51:379; polygama 51:382; purpurea 51:379; rosea 51:372; sericea 51:249; sinapou 51:249, 255; spicata 51:276, 292; toxicaria 51:249; villosa 51:305, 310-311, 380; virginiana 51:267, 292; virginica 51:267
Galeopsis ladanum f. parviflora 61:26; tetrahit 55:188; 61:26; var. bifida 52:59; 65:94; 72:524; 75:320
Galinsoga 70:245; aristulata 72:386-387; ciliata 60:66; 64:258; 72:386-391, 527; parviflora 63:45; 74:258, 268; 72:386-390; var. hispida 72:386
Galium 59:38; 72:347; aparine 53:11; 71:523; 72:525; asprellum 53:10; 55:192; boreale 59:40, 42; subsp. **septentrionale** 59:40; var. intermedium 57:309; brandegei 58:52; 71:506; brevipes 53:17; 59:39, 41 (fig. 1, map); circaezans 57:317; 72:344; var. hypomalacum 55:225; 57:317; 72:349; concinnum 51:27, 120; **domingense** 59:39; erectum 71:173; harcynicum 52:222-224; hispidulum 57:288; labradoricum 55:192; 56:251; 59:39-40, 41 (fig. 1, map); 63:45; 65:94; 66:151, 154; mollugo 54:307; 71:173; obtusum 59:40; palustre 71:20, 27; 72:525; subsp. tetraploideum 55:218; pilosum 61:24; 73:496, 512, 514; saxatile 52:222; septentrionale 59:40, 42; 70:210; spp. 71:59; texanum 59:40; tinctorium 53:19; 55:192; 58:52; 59:40; 64:346; 65:94; 71:523; var. floridanum 57:288; var. subbiflorum 65:94; var. tinctorium 72:525; trifidum 53:5, 159; 55:46-47, 192; 65:94; 66:413-414; 72:525; 75:321; subsp. tinctorium 55:192; var. halophilum 53:15; 66:414, 416; var. trifidum 66:414; triflorum 55:192; 57:317; 58:310; 63:289; 65:94; 67:92; 72:344-345, 525; ×circaezans var. hypomalacum 57:317; uniflorum 52:270; verum 61:187; 72:525; 74:394; virgatum 63:20; 73:380
Galphimia glauca 69:374; gracilis 67:336; 69:374
Galpinsia fendleri 74:83
Gamopetalae 75:144
Garberia fruticosa 60:119; heterophylla 60:119; 65:280; 66:19
Gardenia 69:445; jasminoides 69:445
Garrya ovata 73:388
Gasteromycetes 61:135; 67:89
Gaultheria hispidula 55:46-47, 181; 62:174; 65:23, 93; 72:281, 523; odorata 63:342-344; procumbens 51:139; 53:10; 55:181; 63:346; 64:18; 65:273; 67:374, 386, 389; 72:280-281, 523; f. **leucocarpa** 63:347; f. suborbiculata 71:172
Gaura angustifolia 57:279; 70:225; var. eatonii 57:287; coccinea 57:290; 70:37; filipes 63:20; parviflora 60:19; 73:58; 74:392
Gaylussacia baccata 57:315; 67:376; 69:59; 72:523; f. glaucocarpa 54:210; dumosa 67:376; 70:291; 71:33; 73:495; var. bigeloviana 66:141; 72:523; frondosa 64:91; 73:495
Gayoides crispum 69:374
Gelidiaceae 75:274
Gelidium crinale 75:274
Gelsemium rankinii 66:379; sempervirens 64:91; 66:159; 71:33; 73:495, 503, 505, 507, 509, 511, 513
Genipa clusiaefolia 57:288
Gentiana 56:103, 133; 57:2; 72:551; sect. Pneumonanthae 68:213; **alticola** 56:103; amarella 52:69; andrewsii 66:403; angustifolia 52:69-70; auriculata 71:506; austromontana 66:402, 403 (figs. 1-2), 404; autumnalis 52:69, 71; f. **albescens** 52:70; f. **albocaerulea** 52:69; f. **porphyrio** 52:70; ×billingtonii 68:213; calycina 57:79, 81; catesbaei 56:135, (pl. 1203); var. nummulariaefolia 69:452; var. nummulariifolia 69:452; centaurium 57:103; clausa 66:402, 403 (fig. 2), 404; crinita 72:15; ×curtisii 68:213; decora 66:403-404; gaspensis 53:15; glauca 55:251; 72:499; f. **chlorantha** 54:38; gracilis 68:212; lancifolia 56:103; linearis 68:211; mandoni 56:103; **neomandonii** 56:103; porphyrio 52:68-70; f. albescens 52:70; f. albocaerulea 52:69; f. stoneana 52:69; praticola 56:103; procera 57:114; puberula 56:103; 68:209, 210 (pl. 1334), 211-214; **puberulenta** 68:210 (pl. 1334), 211, 214; ×alba 68:213; ×andrewsii 68:213; purpurea 52:70-71; rigida 68:212; rubricaulis 55:186; 68:211-212; **sancti-matthaei** 56:103; saponaria 68:211-212; β linearis 68:211-212; shortiana 68:212; stoneana 52:69; torreyana 68:212
Gentianaceae 55:186; 61:58; 63:220; 64:147, 153; 66:13; 67:346; 68:211; 71:33, 550; 72:551; 73:47-49; 75:

320, 420; subfam. Gentianoideae 61: 58; subtrib. Erythaeinae 57:97
Geobalanus oblongifolius 60:16
Geocalyx graveolens 59:252
Geocaulon lividum 53:14; 55:51, 145; 57:307; 60:298, 302; 66:61-62, 146, 154; 67:407-409
Geoffrea inermis 69:374
Geoglossaceae 56:105
Geophila 69:445; herbacea 67:354; 69: 445; repens 67:354; 69:445
Georgia 71:321; variabilis 71:321
Georgina 71:311-312, 321; astrantiaeflora 71:411; bipinnata 71:412; cervantesii 71:398; coccinea 71:311-312, 397-399; α coccinea 71:311, 397; β crocea 71:311, 397; γ flava 71:311, 397; crocata 71:398, 410; frustanea 71:312; α coccinea 71:397; β crocea 71:397; γ flava 71:397; petroselinifolia 71:412; purpurea 71:321, 359-360; scapigera 71:390; superflua 71:312, 360; α rubra 71:360; β purpurea 71:360; γ lilacina 71:360; δ pallida 71:360; ε flavescens 71:360; variabilis 71:311-312, 360, 362; var. lilacina 71:311, 360; var. pallida 71: 311, 360; var. purpurea 71:311, 360
Geotrichum spp. 73:308
Geraniaceae 52:295; 55:171
Geranium bicknellii 53:11; 55:46, 171; 57:308; 72:521; carolinianum 55:225; 66:379; dissectum 57:314; maculatum 52:295; 54:64, 303; 60:68-69; 72:334, 554; molle 57:314; 72:521; nepalense var. thunbergii 55:348; pratense 53:4; robertianum 56:2; 60:66; 67:374; 72:521; 75:392
Gerardia sect. Eugerardia 51:84; sect. Otophylla 51:84; subgen. **Eugerardia** 51:84; subgen. **Otophylla** 51:84; subgen. **Panctenis** 51:84; auriculata 58:88; **calycosa** 51:84; crassiuscula 56:256; fasciculata 55: 159; 62:241; 63:20; 66:379; f. **albiflora** 55:159; flava 70:460; var. **calycosa** 62:131; var. **macrantha** 51: 84; grandiflora var. **pulchra** 51:84; linifolia 56:256; maritima 57:288; 70:443-444; paupercula 66:380; pectinata 54:129; pedicularia var. **austromontana** 51:85; var. **intercedens** 51:85; portoricensis 67:352; purpurea 75:497; quercifolia 70:460; setacea 64:88; skinneriana 66:380; tenuifolia 62:241; tuberosa 67:352
Gesneria albiflora 67:352; sintenisii 67:352
Gesneriaceae 67:352; 69:443; 70:414
Geum album 51:111; 69:378; aleppicum var. strictum 51:111, 168; 55: 168; 69:309, 315; 72:519; canadense 69:309, 316, 378; var. camporum 69:310, 316; laciniatum 51:111; 69:310, 315-316; 75:390; var. trichocarpum 60:67; 69:310, 316; macrophyllum 55:168; 69:310, 316; peckii 56:248; 65:337; 66:408; 69: 310, 316; ×pulchrum 69:310, 318; rivale 54:209; 55:168, 223; 63:43; 69:310, 315; f. virescens 65:92; rossii 55:248, 251; strictum 51:168; urbanum 63:288; 69:310, 318; vernum 69:378; virginianum 51:111; 56:226; 57:322; 69:310, 316
Ghinia boxiana 67:349; spinosa 67: 349
Gibberidea setosa 71:194
Giffordia duchassaigniana 75:268; granulosa 71:122; 74:266, 418; ovata 71:122, 132; sandriana 71:122; 73:278
Gigartina purpurascens rostrata 66: 235; stellata 66:220, 226; 71:131, 135; 72:117, 200, 210, 218, 230-232, 237, 323, 334; 74:269, 415, 423
Gigartinaceae 71:134; 72:217; 74:269; 75:275
Gigartinales 71:134, 528; 72:214; 73: 283
Gilia achilleaefolia subsp. achilleaefolia 75:235; subsp. multicaulis 75: 235; cana 61:164; jassajarae 51:79; latifolia 61:164; laxiflora 51:20, 26; 56:208; rigidula var. acerosa 52:171; sonorae 51:79; tenuifolia 61:164
Gillenia stipulacea 63:146; stipulata 51:20; trifoliata 53:204; 69:318
Gingko biloba 51:6, 8
Ginannia mollis 52:75
Ginkgo biloba 68:521, 523
Ginoria 69:429; rohrii 69:429
Gisekia pharnacioides 63:226, 227 (fig. 1)
Glandularia drummondii 75:400
Glaucium flavum 63:47, 55; 71:540
Glaucocystis nostochinearum 63:280; oocystiformis 63:280
Glaux maritima 65:94; 70:443, 448; 71:522; 73:268; 74:384; 75:320; var. maritima 72:523; var. obtusifolia 54:203; 72:523
Glechoma hederacea 57:74; var. hederacea 72:524; var. micrantha 72:524
Gleditsia monosperma 56:256
Gleichenia bifida 67:356; flexuosa 67: 356; pectinata 67:356
Gleicheniaceae 67:356
Glendodinium aciculiferum 71:464 (fig. 34), 465, 469
Gliricidia 69:413; sepium 67:333; 69: 413
Globifera umbrosa 64:89; 67:351

Gloeobotrys limneticus 71:463-464, 465 (fig. 42)
Gloeocapsa alpicola 58:118; dimidiata 58:118; limnetica 58:118; membranina 58:118; minuta 58:118; turgida 53:182; 58:118
Gloeochrysis maritima 73:287
Gloeocystis ampla 64:55; 67:252; 71:454; confluens 58:121; gigas 64:55; 67:252; 71:455; grevillei 58:121; littoralis 73:287; major 64:55; scopulorum 60:284; 71:117; vesiculosa 64:55; 67:251; 71:455
Gloeosporium sp. 73:307-308; ulmicolum 73:306
Gloeothece linearis 71:448
Gloeotrichia 64:57; echinulata 63:281; 71:448-449 (fig. 5); pisum 58:119
Gloiosiphonia capillaris 71:134; 72:201, 213, 237; 73:283; 74:423
Gloiosiphoniaceae 71:134; 72:213
Glonium clavisporum 61:88, 104
Glossidium 56:107
Glossopetalon planitierum 51:20
Glyceria 52:53; 54:42-45, 197-198; sect. Euglyceria 54:198; sect. Hydropoa 54:198; sect. Striatae 54:198; acutiflora 51:107, 109, 117; 54:25-27; 55:15; arkansana 51:127; 52:21; 63:24; borealis 54:26; 55:47, 119; californica 54:44; canadensis 54:43; 55:47, 119; 65:88; 72:509; erecta 54:43-44; fernaldii 52:54; 54:43-44; 55:48, 119; 68:445; fluitans 53:18; 54:26-27, 224; grandis 53:157; 55:119; 63:135; laxa 72:509; maxima 53:156-157; melicaria 70:442; natans 54:44; obtusa 51:109; otisii 54:44; pallida 51:109; 52:255; 54:42-43, 197; 59:125; 63:20; var. fernaldii 52:54; 68:445; paucifolia 54:43-44; septentrionalis 54:25-27; var. **arkansana** 63:24; striata 54:43; 55:47, 119; 74:148; var. striata 75:209; var. stricta 55:47, 119; 72:510; viridis 54:44
Glycine monophylla 64:62; reniformis 64:61-62; simplicifolia 64:62; tomentosa 64:62
Glycyrrhiza 70:40; lepidota 51:148; 57:291, 293; 70:39
Gnaphaliopsis 64:6, 13
Gnaphalium americanum 63:342, 344; 67:355; attenuatum 62:177 (fig. 1), 182, 184; 63:343; berlandieri 74:508; canescens 74:506; chilense 52:174; 74:508; decurrens 74:509; falcatum 54:181; gracile 74:509-510; hirtum 74:508-509; inornatum 74:507; lavandulifolium 65:229, 230 (fig. 19), 236; leptophyllum 64:264; 74:509; leucocephalum 74:509; macounii 55:47, 197; 74:509; obtusifolium 55:225; 60:68; 71:27; 72:527; pedunculosum 74:507-508; peregrinum 66:380; polycephalum 55:225; purpureum 57:289; 74:508; roseum 74:506; semiamplexicaule 62:177 (fig. 1), 182; 63:342; sphacilatum 74:507; spicatum 67:355; sprengelii 74:508; stramineum 74:508; supinum 72:555; sylvaticum 53:10; 56:251; 71:173; tenue 74:509; uliginosum 64:346; 65:95; 71:523; 72:527; 75:321; viscosum 74:508-509; vulcanicum 65:236; wrightii 52:174-175; 74:506
Gnomonia **acerophila** 62:186 (figs. 1-3), 196-197; emarginata 62:196-197
Gnomoniopsis acerophila 62:196-197; campylostyla 62:197
Gochnatia **bahamensis** 66:15
Golenkinia paucispina 63:277; 64:55
Gomontia polyrhiza 75:265
Gomontiaceae 75:265
Gomphillus 56:107, 110; baeomyceoides 56:121, 123
Gomphoneis herculeana var. robusta 64:55
Gomphonema acuminatum 64:55; var. coronatum 63:280; constrictum 63:280; 64:55; dichotomum 63:280; geminatum 63:280; olivaceum 74:481; sp. 63:280
Gomphonemataceae 63:280
Gomphosphaeria 71:462; aponina 58:119; 71:116, 450; 75:283; var. delicatula 71:450; lacustris 58:119; 71:450; 75:284; var. compacta 71:450; naegelianum 53:182
Gomphrena 69:403; decumbens 67:329; 69:403; dispersa 67:329; 69:403; globosa 69:403
Gonatozygon aculeatum 63:278; 71:455; brebissonii 63:278; kinahani 64:55; monotaenum 71:455; pilosum 71:455
Gongrosira debaryana 58:119
Goniopteris tenera 61:306
Goniotrichaceae 71:130; 75:271
Goniotrichales 71:130
Goniotrichum alsidii 71:131; 73:283; 75:271
Gonium 64:57; pectorale 67:252; sociale 63:276
Gonocalyx portoricensis 67:344
Gonolobus gonocarpos 63:147; hirsutus 70:37; laevis 60:21; stephanotrichus 67:346; tuerckheimii 62:238
Gonyaulax palustris 71:469
Gonzalagunia 69:445; spicata 67:353; 69:445
Goodeniaceae 69:447
Goodia lotifolia 51:207

Goodyera decipiens 52:286; menziesii 53:50; oblongifolia 52:286; 53:12, 82, 86; pubescens 52:280; 53:73, 82, 85; 70:197-198; 72:11; repens 51: 110; 52:279-280; 55:46; 72:515; 73: 105; var. ophioides 51:110; 53:11, 82, 86; 55:141; 58:247; 65:90; 75: 316; tesselata 52:279-280; 53:11, 82, 86; 55:141
Gorgonidium 65:68; mirabile 65:68-70, 71 (figs. 1-4), 72
Gossypium 69:424; arborescens 69: 424; arboreum var. nadam 67:340; barbadense 67:340; 69:375; 73:50; brasiliense 69:375; hirsutum 57: 278, 286; var. punctatum 69:375; peruvianum 69:375; purpurascens 69:375, 424; spp. 69:391
Gouania 69:423; domingensis 73:50; lupuloides 69:423
Gouinia 68:101, 281; brasiliensis 68: 281; latifolia 68:281-282
Gracilaria foliifera 72:215, 231, 237; 73:283-284; 74:480; 75:274; verrucosa 71:154, 528; 73:283; 74:480; 75:275
Gracilariaceae 72:215; 75:274
Graffenrieda candelabrum 65:19; ottoschulzii 67:342
Gramineae 52:293; 55:118; 59:243; 62:181; 63:211, 341; 66:11; 67:317; 68:97-98, 223, 241, 437; 70:222; 71: 515; 73:47-49; 75:114, 314, 412; trib. Andropogoneae 58:135, 142, (pl. 1226); subtrib. Andropogoninae 58: 141; subtrib. Dimeriinae 58:141; subtrib. Ischaeminae 58:141; subtrib. Rottboellinae 58:141; subtrib. Saccharinae 58:141; subtrib. Sorginae 58:141; trib. Hordeae 68:437; 69:122; trib. Maydeae 58:141; trib. Triticeae 68:437; 70:467, 470-471
Grammitis subgen. Melanoloma 68: 467; **anfractuosa** 63:35; asplenifolia 67:357; **cultrata** 63:35; hartii 67: 357; hessii 67:357; **jubaeformis** 63: 35; 67:357; **knowltoniorum** 63:35; limbata 68:468; linkiana 69:6; marginella 68:468; **mollissima** 63:35; 67:357; myosuroides 67:357; **pendula** 63:35; **phlegmaria** 68:467; var. **antillensis** 68:467; **sericeolanata** 63: 35; **serricula** 63:35; serrulata 67: 357; **stipitata** 68:467; suspensa 67: 357; taenifolia 67:357; **taxifolia** 63: 35; 67:357; **tenuicola** 63:35; trifurcata 67:357
Grania 75:535; efflorescens 75:584
Graptopetalum rusbyi 74:312
Gratiola aurea 55:19; 64:153, 159 (fig. 41); 67:197; 73:260; f. pusilla 73:260; brevifolia 64:154, 159 (fig. 42); lutea var. glaberrima 51:84; neglecta 55:189; 66:379; var. **glaberrima** 51:84; ramosa 64:153, 159 (fig. 40); 66:379; virginiana 64: 154, 159 (fig. 43); viscidula 54:258; 55:15; var. shortii 54:258
Grayia 75:509
Greenella arizonica 62:52-53
Greenmania 73:291; boladorensis 73: 291; ulei 73:291-292
Grevillea 69:401; 75:509; robusta 69: 401
Griffithsia tenuis 75:278
Grimmia alpestris 52:75; alpicola 52: 74-75; 62:155; 64:124; var. rivularis f. papillosa 52:74; apocarpa 53:124; 62:155; var. alpicola 62:155; f. **papillosa** 52:74; var. conferta 62: 155; var. stricta 64:124; doniana 52:75; 62:155; laevigata 62:155; maritima 58:249; 62:155; montana 52:75; olneyi 62:155; pilifera 62: 155; pulvinata 62:170; rauei 52:75; wrightii 52:75; var. **rauei** 52:75
Grimmiaceae 53:124; 62:147, 155
Grindelia 62:62; 70:50; aphanactis 74: 106; coronopifolia 63:156; inuloides 64:274; oxylepis 63:122, 123 (fig. 8); 65:228; var. eligulata 63:127; squarrosa 55:228; 58:288; 59:100; 70:51; sublanuginosa 65:228, 230 (fig. 14), 236
Grindeliopsis 63:155; gymnospermoides 63:158
Grinnellia americana 70:292, 294; 75: 262, 280
Grossularia echinella 64:150; hirtella 72:348
Guaiacum 69:415; officinale 69:415
Guarea guara 69:374; guidonia 69: 374
Guatteria blainii 67:330; caribaea 67: 330
Guazuma 69:425; guazuma 67:340; 69:429; ulmifolia 67:340; 69:425
Guenthera 63:155; viscosa 63:152, 155, 158
Guettarda 69:445; laevis 67:353; parviflora 69:445; scabra 69:445; valenzuelana 67:353
Guignardia rhodorae 71:201
Guilandina bonduc 67:333; 69:410; crista 67:333; 69:410; culebrae 67: 333; divergens 67:333; 75:416; melanospermum 67:333; 69:410; portoricensis 67:333
Gutierrezia 66:309; 70:50; alamani 63:152, 158; bracteata 62:47; californica 62:47; dracunculoides 75: 404; glutinosa 62:47-48; 63:124, 127; gymnospermoides 63:152, 158; microcephala 62:47, 50; sarothrae

60:270; 62:47, 49 (fig. 1); serotina 62:47; texana 62:47-48, 53; wrightii 63:152, 160
Guttiferae 52:296; 55:174; 63:211; 64: 152; 67:340; 69:426; 70:415; 75:319
Guzmania 71:36, 235, 267; berteroniana 70:415; calothyrsa 71:267-268; complanata 71:250; lingulata 71: 267; melinonii 71:267-268; obtusa 71:266; retusa 71:267-268; roezlii 71:267; tricolor 71:245
Gymnadenia conopsea 53:84; 65:241
Gymnanthes 69:420; lucida 69:420
Gymnocarpium continentale 68:128 (fig. 5), 129, 135; dryopteris 68:121, 124 (fig. 3, map), 125-126, 127 (fig. 4), 128 (fig. 5), 131-137; 72:508; f. glandulosa 68:134; var. disjunctum 68:122 (pl. 1328), 128-129, 130 (pl. 1330), 131 (fig. 7), 135; ×var. dryopteris 68:131; var. dryopteris 68:128-129, 136; var. pumilum 68: 134; ×robertianum 68:133; **heterospermum** 68:123 (pl. 1329), 124 (fig. 3, map), 127 (fig. 4), 130 (pl. 1330), 131 (fig. 7), 132, 134-137; robertianum 68:121, 125-126, 127 (fig. 4), 128 (fig. 5), 131, 133-136
Gymnocladus dioica 51:6; 68:523
Gymnoderma 56:107
Gymnodinium fuscum 64:55; 71:469; palustre 64:55; 71:469
Gymnogramma diplazioides 69:6; gracilis 68:468; lechleri 65:56; orbignyana 65:56; polypodioides 69:6; rufum 65:56; stuebelii 65:57
Gymnolaena 64:5, 11
Gymnomitrium corallioides 54:141
Gymnopogon 68:101, 284; ambiguus 62:94; 73:111; jubiflorus 68:284; spicatus 68:284
Gymnopus strictipes 65:296
Gymnosiphon germanii 67:325; sphaerocarpus 67:325
Gymnosperma glutinosum 62:44, 47, 49 (fig. 1), 52
Gymnospermae 52:278; 71:514
Gymnosporangium biseptatum 63:284; sp. 67:410
Gymnostomum aeruginosum 59:26; 62: 154; calcareum 53:123; curvirostrum 59:26; recurvirostrum 53:123; 62: 154
Gymnozyga moniliformis 63:279; 71: 455; var. gracilescens 63:279
Gynandropsis gynandra 69:407
Gynerium 68:99, 232; sagittatum 68: 232
Gypsophila 52:233; elegans 52:244; 62:108, 115; muralis 52:244; 62:108, 115; paniculata 52:244; 62:108, 115; porrigens 58:44; scorzonerifolia 59:32
Gyrophora dillenii 60:84
Gyrotheca tinctoria 66:379; 75:385

Habenaria 51:23; 52:248; 53:72; 71: 541; albida 52:247-249; var. straminea 52:247; ×andrewsii 53:82, 88; 71:542; blepharidiglottis 69:454; blephariglottis 51:10; 53:82, 85-86; 55:11; 58:247; 67:376; 69:454; 71:32, 542; ciliaris 51:23; 53:83, 87; 56: 183; 60:206; 67:394, 395 (fig. 4, map); 71:32; clavellata 53:83, 86, 88; 55:11; 60:206; 65:84; 71:542; var. ophioglossoides 51:110; 52:43; 53:83, 86; 65:90; 72:514; conopsea 65:241; 67:35; cristata 53:83, 87; 71:32; dilatata 53:83, 86; 55:82, 140; 71:542; fimbriata 51:110; 53: 83-85; 71:542; 72:514; f. albiflora 53:83; f. mentotonsa 53:83; ×hyperborea 53:83; flava 71:542; var. herbiola 53:83, 85, 268; hookeri 51: 110; 52:44; 53:62, 83, 85; 55:140; 58:247; 71:542; 75:166; var. abbreviata 52:62; hyperborea 53:83, 85; 62:174; var. huronensis 53:83; 55: 140; 71:542; lacera 51:23; 53:83, 85; 60:67; 70:195, 198; 71:542; 72: 514; leucophaea 51:23; 53:83; macrophylla 52:63-65, (pl. 1158); 53:83, 86; 72:514; ×media 53:83; nivea 71:32; obtusata 52:44; 53:83, 86; 55:45-46, 140; 62:174; 65:84, 90; 72:514; 75:316; odoratissima 65: 241; orbiculata 51:110; 52:44, 61-65, (pl. 1158); 53:83, 86; 55:140; 67:376; 71:542; 72:514; var. **lehorsii** 52:61-62, 64, (pl. 1157); var. **menziesii** 52: 63, (pl. 1157); var. typica 52:63, 65, (pl. 1158); psycodes 53:83, 85-86; 54:252; 55:83, 140; 70:195, 198; 71: 542; 72:347, 514; f. albiflora 53:83; f. ecalcarata 53:83; straminea 52: 247, 249; 67:381; strictissima var. odontopetala 58:291; tridentata 51: 110; unalascensis 52:286; virescens 70:195; viridis var. bracteata 53: 83, 85; 55:140; 56:247; 65:242; 70: 195, 198; 71:542
Habranthus texanus 63:216
Hackelia americana 53:12, 18; 55:187; 61:269; 63:44; deflexa var. americana 55:187; virginiana 63:44
Hackelochloa 68:106, 357; granularis 67:317; 68:357
Haemadictyon 70:325 (pl. 1385), 326; amazonicum 70:326
Haematococcaceae 63:276
Haematococcus 63:276; sp. 63:276

Haematoxylon 69:411; 70:492; campechianum 69:393, 411
Haemocharis portoricensis 67:340
Haemodoraceae 53:82; 67:324; 71:32
Haenianthus obovatus 67:345; salicifolius var. obovatus 67:345
Halenia deflexa 55:46, 77, 186; 70:210; 73:58; 74:393
Halerpestes salsuginosa 62:260
Halesia 60:86; 64:147; carolina 52:296; 53:238; 60:88; 64:152; 69:380-381; diptera 60:86-88, (pl. 1231); var. diptera 60:88; 64:152, 157 (fig. 29); var. **magniflora** 60:88; 64:152, 157 (fig. 30); parviflora 60:88; tetraptera 60:87-88, (pl. 1231); 64:152, 157 (fig. 31)
Halimium 51:366; 69:186, 192; sect. Euhalimium 67:67; sect. Lecheoides 67:67-68, 201; sect. Spartioides 67:67-68, 201; 69:192; aldersonii 67:279; arenicola 67:264; argenteum 67:305; berlandieri 67:260, 263; canadense 67:255; carolinianum 67:212; chihuahuense 67:296; concolor 67:289; corymbosum 67:288; coulteri 67:260; discolor 67:289; domingense 67:302, 304; exaltatum 67:289; georgianum 67:291; glomeratum 67:298, 311; majus 67:269; nashii 67:266; nutans 67:284; occidentale 67:67, 276, 279; patens 67:263, 285; pringlei 67:263, 294; rosmarinifolium 67:302; scoparium 67:67, 279; spartioides 67:67; stenophyllum 67:302, 304
Halimolobos 54:161; berlandieri 54:162; 62:14, 16; hispidula 54:162; mollis 54:162-163; perplexa 54:162; polyspermus 62:14, 20; virgata 54:161-163
Halliophytum 56:48-49; capense 56:49, 54; fasciculatum 56:49, 55-56; var. hallii 56:57; hallii 56:57
Halodule beaudetii 67:317
Halopteris scoparia 71:124
Haloragaceae 55:176; 71:33
Halosaccion ramentaceum 66:219 (pl. 1298), 220, 226, 230-231; 71:135; 72:117, 200, 218, 230, 232, 237, 320, 323, 326, 334; 73:284; 74:269
Halysium atrum 61:101
Hamamelidaceae 52:295; 63:51; 70:425-426; 71:32
Hamamelidae 70:425
Hamamelis 51:105; 72:340; virginiana 52:275; 54:64; 56:83 (map 4), 84; 63:51-52, 66, 68, 288; 67:402; 69:457; 71:32; 72:281, 518; var. parviflora 63:51
Hamamelistes spinosus 69:458
Hamelia erecta 67:353; patens 67:353
Hapalanthe 67:170; schweinitzii 67:170
Hapalorchis tenuis 67:325
Hapalosiphon 64:58; fontinalis 58:119; hibernicus 63:281; 73:66; pumilis 58:119
Haplocladium microphyllum 62:170; virginianum 62:162
Haplodon wormskjoldii 54:277
Haploesthes greggii var. texana 52:20
Haplohymenium triste 53:126; 62:162
Haplopappus 62:44, 62; 67:217; 75:220; sect. Blepharodon 64:142-143; sect. Isopappus 67:217, 223 (fig. 3); bartlettii 67:218; ciliatus 58:50; clementis 74:107; divaricatus 66:63, 64 (figs. 1-6), 65, 271; 67:217-219, 220 (fig. 2, map), 221-222, 223 (fig. 3), 224-229, 231-232, 235, 237; var. **hookerianus** 62:321; 67:235; ×graniticus 67:222; ×torreyi 67:222; ×validus 67:222; eximius 74:106; gracilis 66:271; hirtellus 67:230; hookerianus 62:321; 67:235; laceratus 74:107; lanceolatus 63:179; lyallii 74:102, 106-107; megacephalus 62:321; multicaulis 55:237; nanus 55:237; occidentalis 66:63; 67:218, 224; peirsonii 74:106; phyllocephalus 62:321; subsp. annuus 62:321; var. **annuus** 62:321; var. megacephalus 62:321; pygmaeus 74:107; **rhizomatus** 63:177; **rigidifolius** 67:217, 218 (fig. 1), 220 (fig. 2, map), 221-222, 223 (fig. 3), 224-231, 234-235, 237; ×divaricatus 67:227; spinulosus 70:50; subsp. cotula 65:236; 75:221; subsp. scabrellus 65:228, 236, 239; subsp. spinulosus 75:224; subsp. typicus 75:220-221, 222 (figs. 1-7), 223 (fig. 8); stoloniferus 64:264; **texensis** 64:142-143; validus 62:321; 67:225-228; subsp. **graniticus** 67:217, 220 (fig. 2, map), 221-222, 223 (fig. 3), 224-226, 229, 233, 236-237; subsp. **torreyi** 67:217, 220 (fig. 2, map), 222, 223 (fig. 3), 225-227, 229, 232-233, 237; ×rigidifolius 67:223; subsp. validus 67:217, 220 (fig. 2, map), 221-222, 223 (fig. 3), 224-226, 229, 233, 235, 237; ×graniticus 67:222; ×torreyi 67:226
Haplospora globosa 71:124
Haptophyceae 73:285, 288
Harpanthaceae 53:120
Harpanthus scutatus 58:248; 59:252
Harperella fluviatilis 60:21
Harrimanella 59:291
Harrisia aboriginum 67:313; undata 75:419
Hebeclinium macrophyllum 67:354; tepicanum 74:503-504
Hectorella 75:243

Hectorellaceae 75:244
Hedeoma 56:256; drummondii 75:400; glabra 70:431; hispida 56:228; pulegioides 52:38; 72:524; sancta 56:160
Hedera helix 59:30; 62:252; 73:80
Hedwigia ciliata 53:124; 62:160
Hedwigiaceae 62:147, 160
Hedyosum 70:416; arborescens 70:416
Hedyotis 63:217; 64:313; subgen. Houstonia 63:217-221, 321; subgen. Oldenlandia 63:217-222, 322; **arenaria** 63:217-218, 219 (fig. 9), 220-221; asperuloides 63:217-218, 219 (fig. 6), 220; f. **brandegeana** 63:221; australis 63:220, 222; 65:271 (fig. 1), 272; 71:218; boscii 54:129; 55:15; 63:220; **brevipes** 63:217-218, 219 (fig. 5), 221; caerulea 64:313, 315, 317, 320 (fig. 2, map), 321-323; var. caerulea 64:315, 319; var. faxonorum 64:317, 319; **callitrichoides** 63:218, 219 (fig. 15), 219; calycosa 61:171-172; canadensis 61:176, 195, 198; 64:313, 315, 317, 319, 321; **capillipes** 63:222; ciliolata 61:176; corymbosa 63:217, 219 (fig. 12); crassifolia 55:202; 63:218, 219 (fig. 1); 65:271 (fig. 1), 272; 71:218; var. micrantha 65:272; croftiae 63:220; **drymarioides** 63:221; **exigula** 63:221; frankii 61:171; **gracilenta** 63:217-218, 219 (fig. 10), 220, 222; gracilis 63:221; **greenei** 63:217, 219 (fig. 17), 222; greenmanii 63:220; herbacea 63:219 (fig. 14); intricata 63:220; lanceolata 61:171; longifolia 61:195; 64:313-314, 317-319, 321-322; 73:303; tenuifolia 61:190; var. compacta 64:314; var. glabra 64:315, 319; var. longifolia 64:314; **longipes** 63:222; michauxii 64:313, 317, 319, 321-322; microtheca 63:217-218, 219 (fig. 18), 220; minima 59:95; f. **albiflora** 59:95; mucronata 63:220; mullerae 63:218, 219 (fig. 4); nigricans 63:330; f. **salina** 63:222; var. filifolia 53:48; 75:421; nuttalliana 61:190; 64:313, 315, 317, 319; ovata 63:222; **palmeri** 63:222; parvula 63:222; patens 55:203; **peninsularis** 63:217, 219 (fig. 8), 222; polypremoides 64:313; **pringlei** 63:219 (fig. 13), 220, 222; procumbens 70:306-309, 310 (maps 1-2); var. hirsuta 70:308; var. procumbens 70:308; prostrata 63:222; purpurea 61:167, 171; 63:217; 64:313-314, 317-323; var. calycosa 61:171; 64:314, 318 (fig. 1, map); f. albiflora 61:171; var. ciliolata 61:177; var. longifolia 61:195; var. montana 61:169; 64:314, 318 (fig. 1, map); var. purpurea 64:314, 318 (fig. 1, map); f. pubescens 61:167; var. setiscaphia 61:177; var. tenuifolia 61:190; f. leucantha 61:190; rosea 55:201-203; 58:331; 71:218; **saxatilis** 63:217-218, 219 (fig. 7), 222; serpyllacea 63:218, 219 (fig. 3), 220; sinaloae 63:222; spp. 71:59; subviscosa 63:220; taylorae 55:202; umbellata 61:167; **umbratilis** 63:217-218, 219 (fig. 11), 222; uniflora 63:220; **vegrandis** 63:222; **watsonii** 63:217, 219 (fig. 16), 220, 222; wrightii 63:218, 219 (fig. 2); **xestosperma** 63:220, 222
Hedysarum 68:365; alpinum 67:381; subsp. americanum 65:219; 71:505; var. americanum 53:9; bracteosum 52:138; ciliare 52:145; var. oblongifolium 52:145; conglomeratum 68:371; cuspidatum 52:138; divergens 68:390; frutescens 68:370, 381, 390, 392; grandiflorum 52:138; hamatum 62:341; hirtum 68:376-377; laevigatum 52:149; mackenzii 52:286; 65:219; paniculatum 52:151-152; prostratum 68:385; repens 68:385-386; reticulatum 68:393; sessiliflorum 68:393; umbellatum 68:370; violaceum 68:380, 390, 392; viridiflorum 52:140, 142
Heeria 69:173
Heleastrum hemisphericum 62:320
Heleniastrum brevifolium 59:207; curtisii 59:205; fimbriatum 59:150; helenium 59:169; nudiflorum 59:211; vernale 59:169
Helenium 51:303; 58:311; 66:67; sect. Amblyolepis 59:130; sect. Hecubaea 59:129; sect. Helenium 59:130-131, 146; sect. Leptopoda 59:129-130, 133, 135-137, 138 (fig. 7), 139 (maps 1-3), 143, 145-146, 148; sect. Oxylepis 59:131; sect. Tetrodus 59:130, 135-137, 138 (fig. 7); aestivale 58:312-314, 315-316, (pl. 1227); **amarum** 59:131; 63:330, 332; 71:34; var. **badium** 62:321; 63:330; atropurpureum 59:210; var. grandicephalum 59:211; autumnale 54:254; 58:311-312, 315-317; 59:104, 110-111, 116, 145; 62:344-346; 75:136; badium 59:131; 62:321; brachypoda 59:211; brevifolium 51:304, 58:316; 59:107-109, 112, 113 (fig. 4), 132, 134-135, 137, 138 (fig. 7), 139 (map 2), 140-143, 146, 149, 152, 154, 205, 207-208, 210, 219; 62:346; 66:380; 67:394, 396 (fig. 7, map); campestre 59:104-105, 107-108, 111-112, 113 (fig. 5), 132-133, 135, 137, 138

(fig. 7), 139 (map 2), 140, 142-144, 146, 149, 208-210; 62:346; curtisii 51:303-304; 59:104, 205, 207-208; 67:394; decurrens 59:169; denticulatum 59:169; dichotomum 59:210; **drummondii** 59:107-108, 112, 113 (fig. 3), 131, 134-135, 138 (fig. 7), 139 (map 1), 140, 142-143, 149, 154, 173-174, 203-204, 208; elegans 59: 137, 144; 62:346; fimbriata 59:173, 177-178; fimbriatum 59:107, 149, 153-154, 173, 175-178, 203; flexuosum 58:315-316; 59:103-104, 107-112, 113 (fig. 6), 115-116, 129, 132-133, 135-137, 138 (fig. 7), 139 (map 3), 140, 143-146, 149, 210, 213-215; 62:343-346; 65:76; floridanum 51: 145; 59:211, 214-215; var. aphanactis 59:211; godfreyi 59:211, 214-215; helenium 59:169; hoopesii 64:275; incisum 59:149-150; integrifolium 59:205; leptopoda 59:169; micranthum 59:103, 210; microcephalum 52:20; nudiflorum 51:145; 58:315; 59:103-105, 107, 177, 210; 65:76; 70: 454; 71:174; f. **homochromum** 70: 454; var. purpurea 59:211; nuttallii 58:312-313; 59:104, 152, 169, 171, 173; var. incisum 59:150; oppositifolium 66:285; parviflorum 59:110; pinnatifidum 58:312-313; 59:102, 106-109, 112, 113 (fig. 1), 131-135, 138 (fig. 7), 139 (map 1), 140-143, 148-150, 155-156, 157 (fig. 8), 158, 171-172, 174-175, 204, 208; polyphyllum 59:104, 211, 213-214; puberulum 59:149, 176; scaposum 59:105-106; seminariense 59:211; serotinum 58:311-313, 315-317, (pl. 1227); tenuifolium 59:131, 240; 63:330; 66: 380; 73:497; var. amarum 62:321; var. badium 62:321; vernale 58:312-317, (pl. 1227); 59:102-103, 107-109, 112, 113 (fig. 2), 114, 131, 133-135, 138 (fig. 7), 139 (map 1), 140-143, 149-150, 152-153, 155-156, 158, 168, 171-172, 174, 203-204, 208; 66:380; 71:34

Helecchloa schoenoides 51:11

Helianthella parryi 60:267; quinquenervis 64:272, 275

Helianthemum 51:366; 67:63, 201, 255; 69:184-186, 192; sect. Lecheoides 67:64, 201; 69:13; sect. Spartioides 69:193; subgen. Horanthes 67:66; subgen. Lecheoides 67: 67, 201; subgen. Macularia 67:67; trib. Abnormes 67:66; trib. Normales 67:66; aldersonii 67:278, 281; arenicola 67:67, 71, 74-76, 77 (fig. 1), 79, 203, 260, 263-268, 308 (map 7), 69:187 (pl. 1353), 190; argenteum 67:70-71, 74, 76, 77 (fig. 1), 81, 203, 304-305, 310 (map 17), 311; 69:190; astylum 67:65, 311; bicknellii 67:66, 69, 71, 73, 75-76, 77 (fig. 1), 80, 207, 210-211, 255, 257-258, 269-273, 275, 307 (map 6); 69: 190; brasiliense 67:63, 65, 213; 69: 184-185, 187 (pl. 1353), 189-190, 192; canadense 51:366-367; 63:112; 67: 65-66, 69-71, 73, 76, 77 (fig. 1), 78-79, 201, 206, 209, 211, 215-216, 255, 257-258, 272-273, 275-276, 307 (map 4), 311; 69:188 (pl. 1354), 190, 192; var. obtusum 67:264-265; var. sabulonum 67:255, 259; var. walkerae 67:269, 272; capitatum 67:66; carolinianum 67:65, 67, 69-72, 74-76, 77 (fig. 1), 78-79, 201, 204, 211-213, 306 (map 1); 69:185, 187 (pl. 1353), 189-190, 192-193; chihuahuense 67:69-71, 77 (fig. 1), 81, 204, 295, 297, 309 (map 14); 69: 189-190; concolor 67:71, 77 (fig. 1), 81, 204, 262, 289-290, 310 (map 17); 69:188 (pl. 1354), 190; corymbosum 52:264; 67:64-66, 71-73, 77 (fig. 1), 80-81, 204, 265-266, 268, 287, 308 (map 8); 69:187 (pl. 1353), 190; 70:225; coulteri 67:69-71, 73-76, 77 (fig. 1), 79, 204, 207-208, 210, 260, 262-263, 309 (map 12); 69:190; dumosum 67:69-71, 76, 77 (fig. 1), 78-79, 206, 209, 211, 214-216, 257-258, 275, 308 (map 9); 69:191; exaltatum 67:290; georgianum 67:70-71, 77 (fig. 1), 81, 206, 208, 210, 274, 276, 291-292, 306 (map 2); 69:191-192; 73:494; glomeratum 67: 64-66, 71-72, 74, 77 (fig. 1), 81, 201, 206, 208, 210, 262, 297-298, 300, 303-304, 309 (map 15); 69: 191; greenei 67:67, 69-72, 77 (fig. 1), 80, 203, 276, 278-279, 283, 287, 308 (map 10); 69:188 (pl. 1354), 191, 193; hirsutissimum 67:64; majus 67:66, 255, 269, 272-273; mendocinensis 67:279; nashii 67:67, 71, 73-76, 77 (fig. 1), 79, 203, 265-268, 308 (map 7); 69:191; nutans 67:69-72, 76, 77 (fig. 1), 80, 203, 278, 284, 286-287, 310 (map 16); 69:188 (pl. 1354), 191-193; obcordatum 67:65, 298; occidentale 67:276; patens 67:69-70, 72-74, 77 (fig. 1), 80, 203, 205, 278, 285-287, 310 (map 16); 69:191, 193; polifolium 67:302; polygalaefolium 67:65; pringlei 67: 69-71, 74-75, 77 (fig. 1), 81, 204-205, 273, 292-293, 297, 309 (map 13); 69:191; propinquum 67:69, 71, 73, 75-76, 77 (fig. 1), 80, 207, 210-211, 257-258, 271, 273-275, 307 (map 5);

69:191; ramuliflorum 67:65, 255; rosmarinifolium 67:64-66, 70-71, 75, 77 (fig. 1), 81, 205, 207-208, 301, 303-304, 306 (map 3); 69:191; salicifolium 58:44; scoparium 67:64, 67, 70, 72-73, 77 (fig. 1), 80, 203, 205, 277-278, 280-281, 285, 287, 308 (map 11); 69:191, 193; var. aldersonii 67:279, 281-282; var. scoparium 67:282; var. vulgare 67:279-282; spartioides 67:64, 278; suffrutescens 67:68, 279, 281-282; tenellum 67:317; thyrsoideum 67:266, 268; tripetalum 67:65, 311; 68:208; walkerae 67:269

Helianthium 57:134-136; nymphaeifolium 57:182; parvulum 57:185; tenellum 57:185

Helianthus 56:198; 66:344; agrestis 60:272; alienus 56:201; altissimus 56:200; ambiguus 56:200, 202; 60:126; ×ambiguus 56:202; angustifolius 52:40; 60:126, 143; 71:34; **annuus** 52:297; 60:272, 274-275, 277; 65:130; 66:344-345, 350-351, 354-357; var. **lenticularis** 62:132; var. nanus 57:318; ×bolanderi 61:140; ×petiolaris 60:279; atrorubens 61:140-146; ×longifolius 61:146; attenuatus 56:202-203; 66:346; borealis 55:198; 56:201; bracteatus 56:202-203; brevifolius 60:126; californicus 56:198-199; 66:349; var. mariposianus 56:199; var. parishii 56:199; var. utahensis 56:198; canus ×angustifolius 66:352; ciliaris 51:28; 66:346, 349; coloradensis 56:199; crinitus 56:200; cusickii 56:202; dalyi 56:202; debilis 60:275, 277, 279; 66:353; subsp. cucumerifolius 60:279; subsp. praecox 60:279; ×floridanus 66:352; ×occidentalis 66:353 (fig. 7); decapetalus 65:130; 66:345, 347 (fig. 4), 348, 354; ×annuus 66:350-351; ×debilis subsp. cucumerifolius 66:350; ×debilis subsp. hirtus 66:350; ×resinosus 66:352; ×strumosus 66:346; divaricatus 56:200; 60:126; 66:354; 71:34; ×microcephalus 61:140; ×**divariserratus** 56:200; doronicoides 58:97-99, (pl. 1225); ×doronicoides 58:99; exasperatus 56:202-203; fasciculatis 56:198; filiformis 56:202; ×filiformis 56:202; giganteus 56:198, 200, 203; 58:98-100; subsp. **alienus** 56:200-201; subsp. giganteus 56:200; **var.** altissimus 56:200; var. ambiguus 56:200, 202; var. oppositifolius 56:201; var. resiniferus 56:201; var. utahensis 56:198; var. verticillatus 56:201; ×microcephalus 66:348; ×mollis 60:126; gigas 56:200; grosseserratus 56:199, 201; 60:126; 69:452; f. pleniflorus 56:199; subsp. grosseserratus 56:199; subsp. **maximus** 56:199; grossiserratus 69:452; heterophyllus 71:34; hirsutus 65:130; 66:318, 354; var. hirsutus 60:294; var. trachyphyllus 54:131; 60:294; ×annuus 66:350; ×debilis subsp. cucumerifolius 66:350-351; ×decapetalus 66:347 (fig. 1); ×smithii 66:346; ×tuberosus 66:352; instabilis 56:199, 201; ×**intermedius** 56:201; kellermani 56:200; ×kellermani 56:200; laciniatus 64:266; laetiflorus 65:121-122, 123 (fig. 3, map), 124 (fig. 5), 125 (fig. 6), 126-132; 71:174; var. rigidus 55:198; ×laetiflorus 65:128; ×tuberosus 65:128, 132; lenticularis 62:132; longifolius 61:140-146; ×atrorubens 61:140, 142; ×occidentalis 61:140, 142; luxurians 56:201; × luxurians 56:201; 60:126; maximiliani 55:198; 56:201; 60:27; 69:454; f. pallidus 56:202; var. iubaris 56:202; var. **paniculata** 56:202; ×decapetalus 66:348; maximilianii 69:454; membranaceus 56:201; microcephalus 61:140-141, 143, 146; 66:346, 352; ×giganteus 66:347 (fig. 2), 348; mollis 55:108; 58:97-100; 74:388; f. **flavida** 55:108; **neglectus** 60:274-275, 276 (fig. 2), 277, 279, 282-283; ×annuus 60:277-278; ×debilis subsp. cucumerifolius 60:278; ×debilis subsp. praecox 60:278; ×petiolaris 60:278-279; ×petiolaris var. canescens 60:278; niveus 66:352; nuttallii 52:60; 56:198; 66:353; subsp. **coloradensis** 56:198-199; subsp. nuttallii 56:198; occidentalis 61:140-143, 146; 66:353; ×grosseserratus 60:126; oliveri 56:203; **paradoxus** 60:272, 273 (fig. 1), 274-275, 277, 282; parishii 56:199; var. coloradensis 56:199; pauciflorus 66:346; var. attenuatus 66:346; petiolaris 60:272, 274-275, 277, 279; subsp. **fallax** 60:279, 280 (fig. 3), 282; subsp. petiolaris 60:279, 281 (fig. 4), 282; var. canescens 60:277, 282; ×annuus 60:126; praetermissus 60:274; radula 60:27; 71:34; resinosus 66:349; ×decapetalus 66:352; ×schweinitzii 66:349; ×smithii 66:352; ×strumosus 66:347 (fig. 3), 349; ×tuberosus 66:347 (fig. 3), 349; rigidus 65:121-122, 123 (fig. 2, map), 124 (fig. 5), 125 (fig. 6), 126-132; 66:349; ×laetiflorus 65:127; ×strumosus 66:349; ×tuberosus

65:127, 129; 66:349; rydbergii 56: 200; salicifolius 59:32; schweinitzii 66:349-350; ×smithii 66:347 (fig. 6), 352; ×tuberosus 66:349-350; severus 65:121; silphioides 65:132; 73:554; **smithii** 66:346, 348; ×strumosus 66:352; strumosus 55:225; 58:97; 65:130; 66:346, 348-350, 355; ×annuus 66:347 (fig. 5), 350; ×hirsutus 66:346; ×tuberosus 66:349; subrhomboideus 65:121-122, 123 (fig. 1, map), 124 (fig. 5), 125 (fig. 6), 126-132; ×laetiflorus 65:125, 131; ×rigidus 65:127; ×tuberosus 65: 126, 129, 131; subtuberosus 56:202; superbus 65:121; tomentosus 58: 97-98; 66:349; trachelifolius 69:452; tracheliifolius 69:452; tuberosus 56: 200; 58:97; 60:64, 66; 65:121-122, 123 (fig. 4, map), 124 (fig. 5), 125 (fig. 6), 126-132; 66:344-345, 349-351, 354-356, 380; 71:174; ×annuus 66:344, 351, 354, 356; undulatus 66: 381; utahensis 56:198; virgatus 56: 200
Helichrysum bracteatum 67:355
Helicoma acrophalerium 61:100; asperothecum 61:89; recurvum 61:89
Heliconia 70:413, 416; bihai 70:416; caribaea 67:324; 69:392-393
Helicosporium alinorae 61:89
Helicteres 69:425; jamaicensis 69:425
Heliogenes longifolia 66:156-157
Heliophytum amplexicaule 67:349
Heliopsis buphthalmoides 64:254, 265; helianthoides subsp. occidentalis 62: 131; var. **occidentalis** 62:131
Helotiales 56:109
Heliotropium 69:438; 72:32, 534; amplexicaule 60:21; 67:349; 69:438; angiospermum 67:348; 69:438; 72: 32; 73:47; arborescens 67:349; crispiflorum 67:348; 69:438; curassavicum 57:282, 288; 69:438; 72:33; diffusum 66:6, 14; fruticosum 72:34; gnaphalodes 69:438; horizontale 72: 34; inaguense 66:6, 14; indicum 51: 21; 67:348; 69:438; 72:34; inundatum 52:38; 67:348; microphyllum 67:348; myosotoides 72:34; nashii 66:8, 14; parviflorum 57:282, 288; peruvianum 67:349; phyllostachyum 72:34; polyphyllum 57:282, 288; 72: 33; var. **horizontale** 72:34; var. polyphyllum 72:33; procumbens 67: 348; tenellum 53:112; 63:20
Helminthocladiaceae 72:207; 75:273
Helminthosporium sp. 73:308
Helodium blandowii 62:170; paludosum 53:119, 126; 62:162
Hologyne fasciculata 69:352, 362; urenifolia 69:360
Helonias 56:257
Helosis cayennensis 61:79, 81; guianensis 61:80-81; mexicana 61:79-80
Hemerocallis flava 53:81, 88; 68:456; fulva 53:81, 84, 88; 72:514; liloasphodelus 68:456-457
Hemiachyris 62:45; texana 62:45, 47
Hemibaccharis hieraciodes 74:498
Hemicarpha 67:99; micrantha 57:321-322; 65:28, 31; 67:99
Hemidictyum marginatum 68:467
Hemidinium nasutum 69:56 (fig. 5), 57
Hemidiodia ocimifolia 67:354; 72:36
Hemionitis brasiliana 66:113; cajenensis 66:112-113; reticulata var. brasiliensis 66:313
Hemisphaerales 71:197
Hemistegia decurrens 74:442
Hemitelia **conformis** 62:1, 2 (fig. 1); 74:450; dissimilis 62:2; escuquensis 67:356; horrida 67:366; petiolata 62:1; 74:450; wilsoni 67:356; woronovii 62:1; 74:450
Hemizonia durandi 74:204; minima 74:205
Henriettea fascicularis 67:342; macfadyenii 67:342; membranifolia 67: 342; triflora 67:342
Henriettella fascicularis 67:342; macfadyenii 67:342; membranifolia 67: 342
Hepatica 62:223; acuta 62:232; acutiloba 55:156; 56:2; 57:132, 265; 62: 110, 115, 223-229, 231-232; 73:248; f. albiflora 62:232; f. plena 62:232; f. rosea 62:232; americana 51:110; 54:64; 55:156; 57:132, 265; 62:110, 114, 223-229, 231-232; 65:77; f. cahnae 62:232; f. candida 62:232; f. purpurea 62:232; f. rhodantha 62: 232; hepatica 62:232; var. purpurea 62:232; nobilis 62:223, 225-231; f. acutiloba 62:232; f. obtusa 62:232; var. **acuta** 62:224 (fig. 1, map), 231-232; f. acuta 62:232; f. **albiflora** 62:232; f. **plena** 62:232; f. **rosea** 62:232; var. nobilis 62:231-232; var. **obtusa** 62:224 (fig. 1, map), 231-232; f. **cahnae** 62:232; f. **candida** 62:232; f. obtusa 62:232; f. **purpurea** 62:232; f. **rhodantha** 62:232; var. rotundata 62:226; var. typica 62:226, 232; triloba 51:110; 62:232; α obtusa 62:232; β acuta 62:232; var. acutiloba 62:232; var. americana 62:232; var. typica 62:232
Hepaticae 53:120; 70:316
Heracleum barbatum 73:582; dissectum 73:582; douglasii 73:580; elegans 73:581-582; lanatum 51:111; 55:178, 225; 73:578, 580, 583; maxi-

mum 55:178; 57:302; 64:346; 71: 300; 72:522; 73:578, 580, 583; 75: 319; moellendorfianum 73:582; montanum 73:580-581; protheiforme 73: 581; δ elegans 73:581; sphondylium 73:578-582; subsp. elegans 73: 581-582; subsp. montanum 73:579-583; subsp. pyrenaicum 73:579, 581-582; subsp. sphondylium 73:582
Herberta hutchinsiae 60:224; sakuraii 60:210, 224; tenuis 59:253; 60:224
Heritiera tinctorium 64:89
Hermidium 54:158; alipes var. **pallidum** 54:158
Herniaria cinerea 58:44; glabra 62: 108, 116; hirsuta 58:44
Herpestis rotundifolia 67:351
Herpetica alata 67:332; 69:410
Herpothrichia barbicincta 65:305
Herpotrichiella fusispora 65:303; setosa 65:303; **spinifera** 65:300-301, 302 (figs. 1-3), 302
Herpotrichiellaceae 71:195-196
Herrania albiflora 65:11; atrorubens 65:12; cuatrecasana 65:11; kanukuensis 65:11-12; mariae 65:12, 14; nitida 65:12; f. sphenophylla 65:12; pulcherrima var. pacifica 65:14
Herschellia 60:114; 69:84
Hesperidanthus linearifolius 59:66
Hesperis matronalis 54:253; 60:16; 62:19; 63:49, 54, 348; 72:518
Heterangium grievii 62:105
Heteranthera 75:443, 447, 486; dubia 53:80, 88; 55:57; 70:171; limosa 61:291; 75:486-487; reniformis 53: 80, 88
Heterocladium squarrulosum 64:123
Heterocladus caracasanus 74:244, 249
Heterokontae 58:161
Heteromeris 67:201; 69:184; argentea 67:305; canadensis 67:201, 255; carolinianum 67:212; chihuahuense 67:296; cymosa 67:288; glomerata 67:298; major 67:255, 269; mexicana 67:298, 300; michauxii 67:255; polifolia 67:301; pringlei 67:294; ramuliflorum 67:255
Heteromyces 56:107
Heterophylleia caracasana 74:249
Heterophyllium haldanianum 51:123; 62:166; 72:494
Heteropogon 68:106, 353; contortus 68:353-354; melanocarpus 60:11; 68:353-354; villosus 68:353
Heteropteris 69:416; laurifolia 67:336; purpurea 67:336; 69:416; wydleriana 67:336
Heterospermum pinnatum 63:123 (fig. 13), 127
Heterotheca 67:86; 68:406; 70:301; 72:42; sect. Chaetactis 62:64; sect. Gymnactis 62:64; sect. Heterotheca 62:61, 97; 67:88; 70:301; bartlettii 67:218; chrysopsidis 62:63, 65, 71-72, 98; deltoidea 62:105; floribunda 62:66-67; **floridana** 72:44; fulcrata 70:301; graminifolia 71:34; 72:43; var. **traceyi** 72:43; grandiflora 62: 63-68, 97; grievii 62:105; **hyssopifolia** 72:42; var. **subulata** 72:43; inuloides 62:64, 68-71, 97; var. inuloides 62:65, 68-69; 64:264, 274; var. **rosei** 62:65, 69; 63:343-344; 74:510; lamarckii 62:70, 73-74, 98; latifolia 62:71, 97-101; 63:245-246; 67:87 (fig. 1), 181; 68:406; var. **arkansana** 62:66, 105; var. latifolia 62:66, 99, 101; var. **macgregoris** 62:64, 66, 103; 68:406; leptoglossa 62:65, 70-71, 97; 74:510; mariana 71:34; nervosa 71:34; **psammophila** 62:66, 76; 67:87 (fig. 3); scabra 62: 66, 73-74, 98; alpha calycium 62:73-74; beta nuda 62:73-74; scabrella 72: 44; spp. 71:59; subaxillaris 54:307; 56:182-183; 62:65, 72-74, 97-100; 63: 243-246; 67:87 (fig. 2); 68:406-407, 519; 70:220; 73:111; var. petiolaris 62:101; 63:243-245; 68:406; var. **procumbens** 62:66, 75, 99; 63:244-245; var. subaxillaris 62:66, 72; villosa 70:301; **viscida** 70:301-302
Heterothrix patens 62:15
Heuchera 53:105; americana 63:50, 53; var. hirsuticaulis 53:105; **missouriensis** 53:106, 107 (figs. 1-9), 108-109, (pl. 1166); parviflora 53:105-109; var. rugelii 53:105-108; var. typica 53:107; puberula 51:117; 53:105, 108-109; f. **glabrata** 51:117; richardsonii 55:46, 163; var. hispidior 55:163; sanguinea 54:256
Hevea 70:119
Hevetia flexilis 58:90
Hexalectris spicata 57:321; 59:240
Hexandria 75:427-429; trigynia 55:9
Hexotria 53:232
Hibiscus 69:424; acetosella 75:418; aculeatus 52:264; 71:33; brasiliensis 69:375; esculentus 69:424; lasiocarpa 74:384; militaris 54:174; palustris 51:137; 52:264; 54:174; 59:264; phoeniceus 69:375; sabdariffa 69:387, 424; syriacus 52: 296; 74:145; tiliaceus 67:340; trionum 51:8; 55:11; 74:150; vitifolius 69:424
Hicoria 51:85; borealis 51:85, 87, 89; 52:193; carolinae-septentrionalis 51: 85; 52:193; glabra hirsuta 52:192-193; var. hirsuta 52:192; microcarpa 51:86; minima 51:86; odorata 51: 87-88; 52:193; var. villosa 51:87;

52:193; ovalis borealis 51:89; ovata 51:85-86; 52:193; pallida 52:193
Hidalgoa 71:319; ternata 74:204, 206
Hieracium 54:14, 17; aurantiacum 51:8, 112, 390; 55:201; 58:247; 60: 66; 65:95; 67:197; 72:528; 75:322; canadense 55:201; 58:247; 70:181; var. canadense 72:528; var. hirtirameum 53:9; commersonii 70:230 (fig. 26), 240; florentinum 60:66; 66: 61; 72:528; floribundum 65:95; 75: 322; greenei 54:73; greenii 54:73; groncvii 63:146; var. foliosum 54: 131; mexicanum 64:276; paniculatum 72:528; f. glandulosum 69:34; pilosella 65:76; 66:61; 70:179, 182; 72:528; 75:322; var. niveum 60:320; pratense 65:76; 66:142; 72:528; 75: 322; robustum 63:272; scabriusculum 55:201; scabrum 53:10; 55:201; 72:528; selerianum 64:276; umbellatum 55:201; 75:159, 161; vulgatum 56:41; 57:268; 65:76; 75:159
Hierochloë alpina 54:277; 55:248; 67: 380; odorata 55:125; 58:246; 65:89; var. fragrans 55:125; pauciflora 71: 508
Hilaria jamesii 51:19; 62:93; mutica 52:20
Hildenbrandia prototypus 66:226; 71: 134; 72:117, 200, 209, 231-232, 237, 323, 334; 73:283; 74:269, 411, 423, 480; 75:59, 61
Hildenbrandiaceae 71:134; 72:209
Hillia parasitica 70:416
Hippobroma 69:447; longiflora 69:447
Hippocastanaceae 52:295; 57:37
Hippocratea caribaea 67:338
Hippocrateaceae 67:338
Hippomane 69:420; mancinella 69:420
Hippuridaceae 55:177; 75:319
Hippuris tetraphylla 53:19; vulgaris 55:177. 223; 61:286; 65:219; 67: 196; 75:319; f. fluviatilis 55:48, 177; 61:286; var. rhaetica 55:177
Hirudinaria macrospora 61:98
Hoffmannseggella 74:283; **brevicaulis** 74:284-285; cinnabarina 74:283; harpophylla 74:284-285; **kautskyi** 74:285
Hoffmanseggia drepanocarpa 51:24
Hofmeisteria 69:46, 352, 368-369; crassifolia 69:353, 365, 367 (pl. 1368), 369 (fig. 11, map); dissecta 69:352-353, 354 (pl. 1362), 369 (fig. 11, map); fasciculata 69:353, 362, 364 (pl. 1367), 369 (fig. 11, map); var. grayi 69:362; var. pubescens 69: 363; var. xanti 69:362; filifolia 69: 353, 366, 369 (fig. 11, map), 370 (pl. 1369); gentryi 69:36; laphamioides 69:40; var. pauciseta 69:42; pleuriseta 69:35-37; var. laphamioides 69:40; var. pauciseta 69:42; pubescens 69:362; schaffneri 69:353, 357, 359 (pl. 1365), 368 (figs. 1-2), 369 (fig. 11, map); sinaloensis 69: 353, 355, 356 (pl. 1363), 369 (fig. 11, map); standleyi 69:353, 357, 358 (pl. 1364), 368 (figs. 9-10), 369 (fig. 11, map); tenuis 69:44; ureni-folia 69:353, 360, 361 (pl. 1366), 368 (figs. 3-8), 369 (fig. 11, map); viscosa 69:37
Holcus 68:101, 244; halepensis 59: 234; 67:318; lanatus 52:75; 61:26; 68:244; 73:60, 105; mollis 52:75; sorghum 67:318; 68:441
Holocarpha 56:20
Holosteum umbellatum 54:253; 60:15; 62:93, 108, 115, 262; 64:222
Homalia jamesii 62:160
Homalium leiogynum 67:341; pleiandrum 67:341; racemosum 67:341
Homalobus amblyodon 75:304
Homalocenchrus hexandra 67:319; lenticularis 63:137; monandrus 67:319
Homalotheciella fabrofolia 53:125; subcapillata 62:165
Homalothecium nuttallii 52:73
Homalomena coerulescens 62:252; pygmea 62:252, 256
Homogyne alpina 55:219
Homolepis 68:108, 334; aturensis 68: 334
Homomallium adnatum 62:167
Homostegia parasitica 71:194
Hookeria acutifolia 74:524
Horanthes 67:201; arenaria 67:311; podanisia 67:302; tripetala 67:312
Hordeum 68:98, 237; brachyantherum 51:99; 70:468-469, 471; halophilum 68:237; jubatum 55:121; 58:246; 69:157; 70:451, 467, 468 (pl. 1398), 469-472; 71:519; 72:510; 75:314; montanense 63:41; muticum 68:237; nodosum 68:237; pusillum 52:19; 63:41; vulgare 56:180; 72:510
Hormidiopsis ellipsoideum 64:55
Hormidium flaccidum 67:246 (pl. 1314), 251; tripterum 67:326
Hormodendron sp. 73:308
Hormogonales 67:252; 73:267
Hormogonium glutinosum 73:267; holdenii 73:267
Hormotila mucigena 58:119
Hornemannia racemosa 67:344
Hosta japonica 53:81,88; ventricosa 53:25, 81, 88
Hottonia inflata 51:117; 54:258; 55:15; palustris 66:56
Houstonia 63:217; 64:313; angustifolia 61:198; arenaria 63:221; australis 63:222; brandegeana 63:221; bre-

vipes 63:221; caerulea 52:297; 61: 123, 159; 64:29-30, 91; 66:379; 72: 525; var. faxonorum 64:28; 65:312; calycosa 61:171; canadensis 61:157, 159, 162, 165, 175 (map 2), 176, 178-180, 188-189, 194 (map 3), 201; ciliolata 61:176, 178; drymarioides 63:221; faxonorum 64:28; floridana 61:157; gracilenta 63:222; gracilis 63:221; humifusa 52:20; lanceolata 61:157, 160, 171; f. albiflora 61:171; latifolia 61:167; longifolia 55:84, 192; 61:157, 175, 178, 193-199, 203; tenuifolia 61:190; ciliolata 61:176; var. ciliolata 61:178; var. **compacta** 61:159, 162-163, 166, 178, 193, 194 (map 3), 197 (map 4), 199-202, 205-206; var. **glabra** 61:166, 194 (map 3), 199-200, 204-206; var. longifolia 61:162, 166, 178, 189, 194 (map 3), 199-200, 203; longipes 63:222; macrosepala 61:171; minima 55:202; 64:29-31; 65:271; montana 61:157, 169; mullerae 63:218; nigricans 57: 288; 61:157, 198; palmeri 63:222; parvula 63:222; patens 65:271; var. pusilla 55:202; peninsularis 63:222; procumbens 57:288; 64:89; 70:306; prostrata 63:222; purpurea 51:120; 61:157-158, 162-163, 166, 172, 178, 197 (map 4), 205; f. pubescens 61: 167; var. calycosa 61:159, 162, 165, 168 (map 1), 169, 171-175, 178, 188, 196, 201; var. ciliolata 61:176; var. longifolia 61:195; var. **montana** 61: 160, 165, 169-170; var. pubescens 61:167; var. purpurea 61:159, 165, 167, 168 (map 1), 169-170, 173-175; var. tenuifolia 61:190; ×longifolia var. compacta 61:200, 205; pusilla 55:203; 57:317; 64:29-31; 65:271; f. albiflora 57:317; pygmaea 55:201-202; rotundifolia 64:89; 70:306; salina 63:222; serpyllifolia 64:29, 313; setiscaphia 61:157, 177-180; tenella 55:202; tenuifolia 61:157, 159-160, 162-163. 166, 175 (map 2), 190, 192-194, 197 (map 4), 198-200, 203; 64:313; f. leucantha 61:190; umbratilis 63:222; varians 61:167
Hovea linearis 51:207
Hoya carnosa 69:436
Hudsonia 69:186; 70:290; 71:19, 21, 23; ericoides 70:289-291; 72:522, 530; montana 70:291; tomentosa 70: 225, 443; 71:26; 75:56; var. intermedia 72:522
Huſelandia pendula 67:330
Humaria hemisphaerica 71:202
Humulus japonicus 60:297, 304; lupulus 60:297, 304; 64:243; 67:50, 51 (pl. 1310), 52; 72:516
Hura 69:420; crepitans 69:420; 71:439
Hutchinsia calycina 54:98; *β* americana 54:99; var. integrifolia 54:102
Hyacinthus muscari 68:457-458; racemosus 64:457-458
Hyalotheca dissiliens 58:119; 63:279; 64:55; 71:435; 73:65-66; mucosa 58: 119; undulata 63:279
Hybanthus concolor 51:148; 66:312; 71:303; linearifolius 67:341; portoricensis 67:341
Hybosperma spirosum 67:339
Hydnum erinaceus 64:91
Hydora lithuanica 67:171
Hydrangea 72:54; arborescens 52:262; 58:39; paniculata 63:50, 54; 73: 101; petiolaris 73:101, 213; quercifolia 54:256; 63:50, 55; radiata 63: 50, 55
Hydrastis canadensis 51:148, 155; 62: 110, 115; 66:94
Hydrilla 67:155; verticillata 67:167, 170-171; var. crispa 67:168
Hydrocharis morsus-ranae 70:171; 72: 164
Hydrocharitaceae 55:118; 67:317; 68: 437
Hydrochloa carolinensis 51:125; 63:256
Hydrocoleum glutinosum 73:239-241; holdenii 73:239-241; 75:285; lyngbyaceum 73:239-241, 268
Hydrocotyle 70:573; americana 72:522; bonariensis 67:344; 70:225; chinense 52:175; sibthorpioides 60:20; umbellata 57:287; 71:33; 75:420; verticillata var. triradiata 67:344
Hydrodictyaceae 63:277; 75:266
Hydrodictyon reticulatum 64:55; 73: 296
Hydrolea ovata 51:21; uniflora 55:15
Hydromistria stolonifera 67:317
Hydrophyllaceae 55:186; 63:342; 66: 13; 67:348
Hydrophyllum appendiculatum 54:257; 55:225; 72:399-400; 74:385; f. **album** 54:257; canadense 62:209; 72:492; fendleri 74:83; trilobum 62: 399-400; virginianum 55:156; 57: 131; 66:312
Hydrurus 64:58; foetidus 58:119
Hygroamblystegium fluviatile 62:163; irriguum 53:125; 62:163; orthocladon 53:125; 62:163; tenax 62:163
Hygrohypnum bestii 54:156-157; dilatatum 62:163; eugyrium 62:163; luridum 62:164; molle 54:156-157; var. **bestii** 54:156-157; montanum 62:164; ochraceum 62:164; palustre 62:164
Hygrophoropsis olida 64:129
Hygrophorus albipes 61:132; angelesianus 71:184; basidiosus 61:127,

131-132; chrysaspis 61:134; chrysodon 65:296; conicoides 71:182; conicus 71:182; f. 71:180, 181 (pl. 1407), 181; cossus 71:182; **fibrillosus** 71:182, 183 (pl. 1408), 184; flavodiscus 61:127, 132, 133 (pl. 1250), 134-135; fuligineus 65:296; gliocyclus 61:135; hudsonianus 62:189; lilacinus 68:179 (pl. 1332), 1881; marginatus var. concolor 71:184; var. olivaceus 71:185; melizeus 61:134; mephiticus 62:192; monticola 68:180 (pl. 1333), 181-182; nitiosus 68:182; **purpureofolius** 62:186, 190, 191 (pl. 1253), 191; recurvatus 71:185; schulzeri 71:185 (pl. 1409), 186; tahquamenonensis 68:182; tennesseensis 62:193; tephroleucus var. tephroleucus 71:186; troyanus 62:193; violeipes 68:181
Hylocereus 69:428; trigonus 69:428; undatus 69:428
Hylocomiaceae 62:147, 168
Hylocomium brevirostre 54:157; 62:168; splendens 58:249; 62:168; umbratum 62:168
Hymenachne 68:107, 333; donacifolia 68:333
Hymenaea 69:411; courbaril 69:411
Hymenatherum 64:6, 8-9, 12
Hymenocallis declinata 67:324; keyensis 57:285; littoralis 59:99; occidentalis 60:13; palmeri 59:99
Hymenodium crinitum 67:357
Hymenomycetes 61:127
Hymenopappus 56:256; 58:163, 208, 250, 295; 66:67; 70:481-482; ser. Biennes 58:174 (fig. 21), 180, 182 (fig. 22), 209, 256, 258 (figs. 38-42); ser. Perennes 58:174 (fig. 21), 182 (fig. 22), 184, 209-210; anthemoides 58:306; arenosus 58:251-252; artemisiaefolius 58:175, 255, 259, 266-267, 296, 302-303, 305-306; var. artemisiaefolius 58:170, 182 (fig. 22), 188, 210, 258 (fig. 40), 298 (fig. 47, map), 300, 302-306; var. **riograndensis** 58:170, 182 (fig. 22), 184, 186, 210, 298 (fig. 47, map), 300, 303-306; **biennis** 58:180, 182 (fig. 22), 183-184, 186, 209, 212 (fig. 24, map), 256-257, 258 (fig. 38), 259; 59:96-97; canescens var. canotomentosus 58:268; caroliniensis 58:295; cinereus 58:228, 235-236, 251; columbianus 58:239; corymbosus 58:266, 296-297, 300; var. nuttallii 58:260; douglasii 58:306; engelmannianus 58:297; eriopodus 58:225, 228; filifolius 58:164-166, 175, 177, 180, 182 (fig. 22), 184-185, 209, 211, 214, 217-218, 220, 230, 239, 269, 306; var. **alpestris** 61:155; var. cinereus 58:168 (fig. 9), 169 (figs. 13, 19-20), 170, 174 (fig. 21), 186, 209, 211, 215, 217-218, 221, 222 (fig. 34), 223-225, 228, 231 (fig. 37), 233, 236, 251-253, 261-262, 269; var. **eriopodus** 58:186, 215, 218, 225, 226 (fig. 36, map), 227-228, 242; var. filifolius 58:168 (fig. 3), 170, 174 (fig. 21), 186, 215, 216 (fig. 26), 218, 220 (fig. 28, map), 227, 239-240; var. **idahoensis** 58:170, 186, 215, 218, 220 (fig. 28, map), 222 (fig. 35), 242, 250; var. lugens 58:165, 168 (figs. 5-6), 169-170, 172, 174 (fig. 21), 176, 186, 215, 218, 220-221, 222 (figs. 29-30), 228-230, 231 (fig. 37, map), 232-234, 238, 241-242, 252, 255, 269; 59:97; var. **luteus** 58:169 (fig. 17), 171, 174 (fig. 21), 186, 215, 218, 221, 222 (fig. 31), 223-224, 226 (fig. 36, map), 228, 252; var. **megacephalus** 58:186, 215, 218, 223, 225, 226 (fig. 36, map), 227-229, 233, 238-239, 252; var. **nanus** 58:168 (fig. 4), 169 (fig. 15), 171, 174 (fig. 21), 186, 215, 218-219, 220 (fig. 28, map), 222 (fig. 32), 226-227, 233, 240-242, 250; var. **nudipes** 58:171, 186, 214, 217-219, 220 (fig. 28, map), 221, 233; 61:155; var. **parvulus** 58:168 (figs. 1-2), 171, 174 (fig. 21), 186, 214, 216-219, 220 (fig. 28, map), 222 (fig. 32), 252; var. **pauciflorus** 58:171, 186, 215, 218, 220 (fig. 28, map), 224-225, 228, 238-239, 252; var. **polycephalus** 58:169 (fig. 18), 171-172, 186, 215, 218, 231 (fig. 37, map), 235-236, 240, 261-262; var. **tomentosus** 58:171, 186, 215, 218, 220 (fig. 28, map), 225, 228, 233, 237-239; fisheri 58:264; flavescens 58:182 (fig. 22), 259, 264, 266-267; var. canotomentosus 58:168 (fig. 10), 171, 174 (fig. 21), 182 (fig. 22), 184, 186, 209, 258 (fig. 39), 265, 266 (fig. 44), 268-269, 298 (fig. 46, map); 59:97; var. flavescens 58:169 (fig. 14), 171, 182, 186, 209, 264, 266 (fig. 44), 268-269, 298 (fig. 46, map), 299; flavomarginatus 58:182 (fig. 22), 186, 209, 212 (fig. 25, map), 257, 258 (fig. 42), 259; 59:97; **glandulopubescens** 59:97; 66:187; glandulosus 58:306; glaucus 58:306; gloriosus 58:230; integer 58:254-255; integrifolius 58:306; laxiflorus 58:295; ligulaeflorus 58:306; lugens 58:174 (fig. 21), 228, 230; luteus 58:221, 230; macroglottis 58:230; matricarioides 58:306; mexicanus 58:171, 182 (fig. 22), 185-186, 209, 212 (fig. 25, map),

216 (fig. 27), 254-255; 59:97; nanus 58:240-241; nelsoni 58:306; nevadensis 58:306; newberryi 58:168 (figs. 7-8), 171, 173, 179-180, 182 (fig. 22), 183, 186, 209-211, 212 (fig. 24, map), 213-214, 257; niveus 58: 237, 239; nudatus 58:230; nudipes 58:219; 61:155; var. alpestris 58: 219, 221; 61:155; obtusifolius 58: 254; ochroleucus 58:228, 251-252; palmeri 58:306; parvulus 58:216-217; pauciflorus 58:224, 228; pedatus 58:306; petaloideus 58:254-255; polycephalus 58:235-236; radiatus 58:171, 180, 182 (fig. 22), 186, 209, 211, 212 (fig. 24, map), 213-214, 255, 257; 59:96; robustus 58:268; scabiosaeus 56:274; 58:165, 186, 209, 255, 295-296, 300; 73:497; var. **corymbosus** 58:168 (fig. 12), 171, 173, 174 (fig. 21), 182 (fig. 22), 186, 210, 262, 265, 266 (fig. 44), 297-298 (fig. 45, map), 299-300, 303-305; 59:97; var. scabiosaeus 58:182 (fig. 22), 186, 210, 295-296, 298 (fig. 45, map), 299, 303; scaposus 58:230; sulphureus 58:297; tenuifolius 58:168 (fig. 11), 171, 174 (fig. 21), 182 (fig. 22), 184, 186, 209, 235-236, 239, 258 (fig. 41), 259-260; 261 (fig. 43, map), 262; 74:395; tomentosus 58: 228, 237; wislizeni var. setiformis 58:307; wrightii 58:307; var. viscidulus 58:307

Hymenophyllaceae 67:360; 68:464

Hymenophyllum axillare 67:360; ciliatum 67:360; contortum 69:376; crispum 69:376; elegantulum var. petiolulatum 67:360; fucoides 69: 376; gratum 68:464-465; hirsutum 67:360; 68:465; 69:376; var. **gratum** 68:465; hirtellum 68:464-465; var. gratum 68:465-466; var. vincentinum 68:465; lanatum 67:360; 69:376; maxonii 68:465; protrusum 69:376; sieberi 67:360; tunbridgense 64:348; undulatum 67:360

Hymenostomum rostellatum 51:128

Hymenostylium recurvirostrum 62:154

Hymenothrix 66:67; palmeri 58:166, 178; wislizenii 58:178-179; wrightii 58:178

Hymenoxys 58:164; 59:131; 66:67; insignis 63:123 (fig. 20), 128; odorata 63:123 (fig. 21), 125, 128; 66: 74; richardsonii 60:270; 74:109; var. floribunda 74:109

Hyoscyamus niger 53:4

Hyparrhenia 68:104, 351; bracteata 68:351; formosa 58:137, 139, (pl. 1226); hirta 58:136-137, 139, (pl. 1226); rufa 58:137-139, (pl. 1226); 70:556

Hypericaceae 67:340; 71:33

Hypericum 53:98; 57:132; sect. Brathydium 63:10; sect. Brathus 64: 234, 237, 240; sect. Myriandra 63: 10-15; 74:276; adpressum 51:112; f. **spongiosum** 51:112; var. spongiosum 51:112; androsaemum 63:12; aphyllum 64:235; arnoldianum 74: 277; ×arnoldianum 74:276-280; aspalathoides 54:206-207; bissellii 59: 76; boreale 54:307; 57:132; 64:240; 71:26; 72:521; 73:258; f. callitrichoides 73:258; ×canadense 57:132; brevistylum 64:238; buckleyi 63:13; canadense 53:269; 54:256, 307; 57: 132; 64:240; 65:93, 357-358; 70:291; 72:521; 73:258; var. galiiforme 64: 241; 65:358; var. magninsulare 64: 241; 65:358; cistifolium 63:13; 71: 33; cumulicola 64:234, 238; ×dawsonianum 74:279-280; densiflorum 70:291; 74:146, 278-281; denticulatum 56:228; 64:238, 241-242; 71:33; 74:146-147; var. acutifolium 64:241-242; var. denticulatum 64:241; var. recognitum 64:241-242; dissimulatum 54:307; 57:132; 64:240; 72:521; dolabriforme 74:146-147; drummondii 64:234, 238; eastwoodianum 64:238; **edisonianum** 63:15; ellipticum 63:11; 73:258; fasciculatum 54: 206-207; 71:33; fastigiatum 64:238; filicaule 63:12; foliosum 54:206; formosum 64:238-240; frondosum 74:281; fuertesii 64:234; galioides 54:207; 63:11; 74:276-278; var. aspalathoides 54:207; var. fasciculatum 54:207; var. **lloydii** 54:207; var. reductum 54:207; gentianoides 64: 233-235, 238; 65:285, 357; 72:521; gnidioides 64:238; graveolens 64: 238-239; gymnanthum 64:240; hintonii 64:238; hondurasense 64:238; humifusum 63:12; hypericoides 63: 15; 64:237; 67:341; 73:494, 504, 506; var. hypericoides 73:553; var. **multicaule** 73:553; kalmianum 57: 114; 60:251; 74:280-281; kiboense 63:12; lobocarpum 63:20; 74:146, 276-280; longibracteatum 64:238; macrosepalum 59:76; 63:12; majus 53:269; 55:174; 64:240; 72:521; microsepalum 63:15; 64:152, 157 (fig. 23); mitchellianum 64:238-240; mutilum 54:307; 59:79, 94; 64:240; var. latisepalum 64:240; var. parviflorum 57:132; 60:68; 72:521; myrtifolium 59:93; 63:11, 13; ×nothum 74:280-281; paniculatum 64:238; pauciflorum 64:234, 238; pauci-

folium 64:238; perfoliatum 72:378; perforatum 52:296; 54:128; 58:247; 60:68; 63:13; 64:235; 72:521; 74: 392; pinetorum 64:238; pratense 64: 238; pringlei 64:235; prolificum 54: 205-206, (pl. 1187); 61:249-251; 72: 79; 74:279-281; pseudomaculatum 59:40; 64:238-240; f. flavidum 62: 131; punctatum 63:13; 64:238-240; 73:258; var. pseudomaculatum 74: 145-146; f. **flavidum** 62:131; var. punctatum 74:146; schaffneri 64: 238; scouleri 64:238-240; setosum 64:238; silenoides 64:238; spathulatum 61:27, 249, 251; 74:146; sphaerocarpum var. sphaerocarpum 74: 147; var. turgidum 74:146-147; stans 63:15; 71:33; **stragulum** 63:15; 64: 236-237; 73:553; styphelioides 64: 236; submontanum 64:238; **suffructicosum** 63:15; surculosum 70:38; terrae-firmae 64:235-236; tetrapetalum 59:93; 63:15; tubulosum var. walteri 54:128; 60:206; uliginosum 64:238; ×vanfleettii 74:281; virginicum 66:149; 71: 21, 26; 73:258; var. fraseri 55:174; 65:93; 66:149; 72: 521; 75:319; var. virginicum 72:521; woodsonii 64:238
Hypnaceae 53:125; 62:147, 167
Hypnea musciformis 75:274
Hypneaceae 75:274
Hypnum arcuatum 62:167; bestii 54: 156; cristacastrensis 62:167; cupressiforme 62:167; var. filiforme 62:167; var. resupinatum 62:167; var. subjulaceum 62:167; curvifolium 53:125; 62:167; fertile 62:167; haldanianum 72:494; imponens 53: 125; 62:167; lindbergii 62:167; molluscum 53:125; 59:26; 62:167; nuttallii 52:73; pallescens 58:249; patientiae 53:125; pratense 62:167; reptile 62:167; turgescens 54:157; vaucheri 62:167
Hypochaeris brasiliensis 70:233, 240; gardneri 70:233, 240; glabra 60:10, 28-29; 74:149; 75:409; radicata 56: 252; 59:33; 64:346; 70:233, 240, 559, 561; 74:149
Hypogymnia physodes 60:82
Hypogynium spathifolium 58:137, 139, 141, (pl. 1226)
Hypolepis nigrescens 69:376
Hypolytrum lancifolium 73:160; stemonifolium 73:160
Hypoxis 53:87; hirsuta 53:82, 86-87; 66:379; 74:293; juncea 66:379; 75: 385; micrantha 71:32; sp. 72:393; wrightii 67:324
Hyptis 69:439; alata 64:185; 71:33; var. stenophylla 64:186; americana 67:350; capitata 57:75; 69:439; escobilla 67:350; floridana 64:185; latidens 64:184-186; laeiocephala 64: 185-186; mutabilis 64:185; 75:402; pectinata 69:439; radiata 57:75; 64: 184-185; rugosa 64:184; scoparia 67:351; spicigera 67:350; suaveolens 69:439
Hyssopus anthiodorus 57:291; 58: 287; 70:38; anisatus 70:38
Hysterionica 62:62; sect. Heterotheca 62:64
Hysterium hyalinum 61:88; karstenii 61:88, 102
Hystrix 56:192-194, 196-197; 69:344; patula 51:109; 56:196; 69:121-123, 135, 342; var. bigeloviana 56:192; 57:311; 59:125, 233; 69:135; 70:452

Ibatia maritima 67:346; 69:436
Iberis amara 63:49, 55; umbellata 63: 49, 55; 72:518, 531
Ibervillea lindheimeri 52:20; 56:162
Ibidium gracile 73:300; tortile 67:325
Icacorea glauciflora 67:344; guadalupensis 67:344; 69:433; luquillensis 67:344
Ichnanthes 68:108, 329; breviscrobs 68:329-330; calvescens 68:329-330; candicans 68:330-331; minarum 68: 330-331; pallens 68:330-331; peruviana 68:329-330; ruprechtii 68:330-331
Ichthyomethia piscipula 67:334; 69: 414
Ichthyothere 72:94; rufa 72:95, 98
Ilex 53:229-231; 59:20; 69:421; 71:198; aestivalis 53:234; ambigua 53:235, 237; f. **channellii** 59:23; amelanchier var. monticola 53:237; americana 53:233; aquifolium 53:233, 275; beadlei 53:239; canadensis 53:233; cassine 53:276, 278-279; collina 59: 20-22; f. van-trompii 59:22; cookii 67:338; coriacea 70:290; 71:32; dahoon 53:278-279; decidua 53:231, 232 (map), 233-235, 239; 55:16; dubia 53:238; var. beadlei 53:239; var. mollis 53:239; f. beadlei 53: 239; var. monticola 53:237; glabra 53:269; 57:34; 58:25; 70:290; 71: 32; 72:521, 529-530; f. **leucocarpa** 58:25, (pl. 1222); hypaneura 69: 374; krugiana 73:206; laxifolia 53: 233; longipes 53:232 (map), 233-234, 239; 59:20-22; f. van-trompii 59:22; mollis 53:238; montana 52: 277; 53:232 (map), 233, 236-239; 59:20; 61:23; 72:492; f. **rotundifolia** 53:238, 240; var. beadlei 53:239; var. mollis 53:232 (map), 238-240; f. grayana 53:239; monticola 53:

237; var. mollis 53:238; myrtifolia 60:18; 66:379; opaca 53:231, 232 (map), 233-234, 239; 57:159, 315; 59:257; 60:206; 70:224-225; 73:494, 501; f. subintegra 53:233, 239; f. xanthocarpa 53:233, 239; padifolius 53:237; paraguariensis 53:278; prinoides 53:234; quercifolia 53:233; sideroxyloides var. occidentalis 67:338; tenuifolia 53:234; urbania 69:421; verticillata 53:232 (map), 233, 236, 239; 59:20, 22-23; 63:66; 65:92; 66:176; 67:402; 71:26; 72:79, 281, 339, 426; var. padifolia 53:232 (map), 237, 239; 59:22; var. verticillata 72:521; vomitoria 53:273, 275-279; 61:187; 66:159; 70:225; 71:32
Ilianna 69:21
Ilicaceae 67:338
Illicium floridanum 56:83 (map 3), 84; mexicanum 56:83 (map 3), 84; parviflorum 65:361
Ilysanthes dubia 67:351; monticola 66:379
Impatiens biflora 55:173; capensis 55:173; 60:68; 63:289; 65:93; 71:522; 72:499, 521; f. immaculata 75:319; f. peasei 52:58; glandulifera 56:249; pallida 57:308; 72:492; parviflora 56:249; spp. 69:415
Imperata 68:107, 345; brasiliensis 68:345; minutiflora 68:345; tenuis 68:345
Indigofera 69:414; excelsa 51:364; mucronata 51:381; perriniana 51:339, 372, 378-379; suffruticosa 69:414; truxillensis 63:18
Inga 69:409; 70:331; fagifolia 67:330; 69:409; inga 67:331; laurina 67:331; 69:409; vera 67:331
Inula 62:62; divaricata 67:231; punctata 62:72, 74; scabra 62:65-67, 72, 74; subaxillaris 62:67, 72-74
Inulopsis 70:232-233; scaposa 70:230 (fig. 12), 231, 238
Ionidium linearifolium 67:341; portoricensis 67:341
Ionopsis pygmaea 59:288
Ionoxalis intermedia 67:335; martiana 60:17; 67:335
Iostephane heterophylla 64:260 (fig. 12); var. dicksonii 64:266; trilobata 64:266
Ipheion uniflorum 64:149
Ipomoea 59:242; 69:436; acuminata 67:347; 69:436; aegyptia 67:347; 69:437; alba 67:347; amnicola 67:200; angustifolia 67:347; batatas 67:347; 69:436; careltoni 71:175; cathartica 57:288; 67:347; 69:436; dissecta 67:347; 69:437; hederacea var. integriuscula 55:160; hederifolia 67:347; 73:49; heptaphylla 54:128; 67:200, 347; kentrocarpa 67:347; longifolia 71:175; muricata 75:399; nil 69:436; 75:420; ochroleuca 67:347; palustris 67:347; pandurata 51:75; 71:175; f. **leviuscula** 51:75; var. rubescens 51:75; pes-caprae 57:280-281, 288; 69:436; var. brasiliensis 67:347; polyanthes 67:347; 69:437; pulchella 67:200, 347; purpurea 67:347; quamoclit 67:347; 69:436; quinquefolia 67:347; 69:437; repanda 67:347; 69:436; rubra 67:347; sagittata 57:287; 70:225; setifera 67:347; shumardiana 71:175; solanifolia 67:347; spiralis 69:375; spirillus 67:347; 69:375; steudelii 67:347; 69:436; tiliacea 69:436; tricolor 67:347; triloba 69:436; tuba 67:347; 69:436; violacea 67:347; wrightii 67:200
Iresine 69:403; angustifolia 69:403; celosia 57:285; 67:329; diffusa 67:329; inaguensis 66:8, 12; rhizomatosa 64:282-283
Iridaceae 51:208; 53:82; 55:139; 64:291, 310; 66:12; 67:324; 68:459; 71:32; 75:316, 415
Iris 71:212, 75:2; brevicaulis 56:80; 60:42; cristata 58:40; fulva 65:283; germanica 53:82, 88; hookeri 53:1, 82, 88; 64:343, 345; 65:90, 286; 72:514, 530; lacustris 52:44; 74:271; f. **albiflora** 74:271; laevigata 53:82, 88; missouriensis 74:290; orientalis 53:82, 88; prismatica 53:82, 87; 59:264; 65:273; 71:213; ×versicolor 53:82; pseudacorus 53:82, 88; 55:244; 67:196; pumila 51:8; 53:82, 88; tripetala 56:257; verna 71:212-214; var. **smalliana** 71:213-214; var. verna 71:213; versicolor 53:82, 84-85; 55:139, 244; 64:341, 345; 65:90; 71:20-21, 24, 514, 520; 72:514; 73:257; 75:316; virginica var. shrevei 56:80; 66:312
Isachne 68:108, 334; arundinacea 68:334
Isactis 64:58
Isandrina emarginata 67:332
Isanthus brachiatus 57:320
Isatis 54:183
Isidorea 72:36; leonardii 72:36
Isnardia palustris 67:83, 343; spathulata 75:394
Isochilus linearis 59:248
Isoëtaceae 55:94
Isoëtes 54:25, 287; 75:367; butleri 63:20, 146; 75:367-368; engelmanni 51:117; 55:291; macrospora 55:48, 77, 94; 60:316; 70:202, 211; melanopoda

59:126; 75:367-368; f. **pallida** 51:103
59:126; var. pallida 51:103; melanospora 70:394; muricata 55:48, 77, 94; 60:34; 72:508; var. braunii 70:202; var. hesperia 70:203; riparia 60:316; var. canadensis 60:316; tuckermanii 56:226; 72:3; 73:254
Isoloba elatior 59:227; lutea 59:227; pumila 59:228; recurva 59:227
Isopappus 62:63; divaricatus 67:231; var. hirtellus 67:229; var. hookerianus 62:321; 67:325; hookerianus 62:321; 67:235; validus 62:321; 67:233
Isopyrum biternatum 52:261; 64:150, 155 (fig. 12)
Isothecium myurum 62:170
Isotoma longiflora 67:354; 69:447
Isotria 75:166; medeoloides 53:83, 87; 56:275; 67:394, 396 (fig. 7, map); 71:304; 75:166-167; verticillata 53:83, 87
Isthmoplea sphaerophora 72:117, 321, 337; 74:298
Itea virginica 52:35; 60:206; 66:380; 71:32; 72:79
Iva annua 70:451; 75:407; axillaris 74:387; ciliata 60:28; 73:576; 75:407; frutescens 57:289; var. oraria 52:162; 74:291; imbricata 57:281, 289; microcephala 75:406; xanthifolia 69:452; xanthiifolia 69:452
Ixidium wrightii 67:328
Ixora 69:445; chinensis 69:445; coccinea 69:445; ferrea 69:445; finlaysonia 69:445

Jacaranda 69:442; acutifolia 69:442; mimosifolia 69:442
Jacquemontia 69:436; abutiloides 64:153; canescens 67:347; jamaicensis 69:436; nodiflora 69:436; obcordata 67:347; pentantha 69:436; subsalina 67:347; tamnifolia 54:177; 67:347
Jacquinia 69:433; arborea 69:375, 433; armillaris 73:50; barbasco 69:375, 433; 73:50; berterii 69:433; keyensis 57:277, 279, 287; 73:50; revoluta 69:433; stenophylla 67:344
Jacquiniella miserrima 67:326; teretifolia 67:326
Jaegeria **bellidiflora** 66:156-157; discoidea 68:145; gracilis 68:145; hirta 64:266, 272; 68:140 (fig. 5), 143-145; 70:203 (fig. 22), 232-233, 239; 74:170; pedunculata 64:266, 272; 66:157; petiolaris 64:272, 273 (fig. 1), 275; purpurascens 66:157
Jaliscoa 72:100; pappifera 72:100; pringlei 72:100
Jambos jambos 67:343
Jambosa jambos 67:343; 69:432
Jasione montana 72:15
Jasminum 69:434; azoricum 69:375, 434; 73:50; fluminense 66:13; 69:375, 434; 75:420; grandiflorum 69:434; multiflorum 69:375; officinale var. grandiflorum 69:434; pubescens 69:375, 434; sambac 69:434
Jatropha 54:173; 69:420; curcas 67:337; 69:420; dioica var. graminea 67:194; gossypifolia 66:13; 67:337; 69:420; hastata 69:420; hernandiaefolia 67:337; integerrima 67:337; 69:420; multifida 67:337; 69:420
Jeffersonia diphylla 51:147-148; 57:267
Johannesbaptistia pellucida 75:284
Juglandaceae 58:127
Juglans 51:105; 52:191; cinerea 58:127, 132; 60:71; 63:295; 72:491; 73:462; illinoinensis 63:296; major 73:375; nigra 52:274; 58:127, 133-134; 60:65; 66:312; 68:523; 70:432; 74:390; f. oblonga 54:253
Juncaceae 52:293; 55:136; 63:211; 68:454; 71:32; 75:316, 414
Juncaginaceae 55:117; 68:436; 75:31
Juncoides carolinae 64:81; pilosum 53:243; var. michiganense 53:244; 64:80; saltuense 64:80; var. saltuense 64:80
Juncus 54:287; 70:221; 72:565; 75:384; acuminatus 71:23; albescens 65:211, 214; 70:103-104; alpinus 53:11; 58:65; subsp. nodulosus 70:208; var. rariflorus 53:11; 55:137; 68:414 (fig. 11, map), 417; arcticus 58:65; subsp. alaskanus 65:214; articulatus 53:18; 64:100; 70:225; var. articulatus 72:514; balticus 70:208; var. alaskanus 65:214; var. littoralis 54:203; 57:114; 65:90; 66:141; 70:205; 72:514; 74:478; var. stenocarpus 53:14; biflorus 70:225; 71:32; biglumis 58:280; 70:103-104; brachycarpus 71:32; brachycephalus 62:142; 75:384; brevicaudatus 55:47, 136; 65:90; 72:514; 75:316; bufonius 52:24; 53:34; 55:47, 136; 64:345; 65:90; 71:515, 520; 75:316; var. bufonius 72:513; var. halophilus 64:345; 65:90; 71:520; 75:316; bulbosus 67:377; campestris β 68:455; canadensis 71:32; 72:340; 73:257; var. canadensis 72:514; castaneus 58:65; 65:214; compressus 53:267; 58:279; congestus 68:454; coriaceus 54:193; crassifolius 73:552; var. **fascinatus** 73:552; dichotomus 70:225; diffusissimus 56:227; 60:206; 63:20; dudleyi 53:11, 267; 55:136, 226; 59:7, 36; effusus 51:390; 52:293; 71:21, 23, 32; 72:285; var.

compactus 66:145; 72:513; 75:316; var. decipiens 55:136; 72:514; var. pylaei 55:47, 136; 65:90; 66:145; 72:514; var. solutus 53:3; 66:145; 72:340; elliottii 71:32; erectus 68: 454; fauriensis 71:505-506; 72:486-488; filiformis 53:157; 55:136; 75: 316; filipendulus 54:126; georgianus 70:394; gerardii 54:202; 63:42; 70:442-444, 446, 448; 71:23, 25; 73: 275; 75:476-478, 483 (fig. 1), 485; 75:57, 316; var. gerardii 72:513; glabratus 68:454; greenei 51:9-10; 71:23; 72:513; hallii 58:280; intermedius 68:454-456; leptocaulis 54: 126; longii 72:136; macer 51:9; marginatus 71:32; megacephalus 57:284; militaris 51:110; 56:226; 67: 376; 72:514; 73:257; multiflorus 68: 454-456; nodatus 75:384; nodosus 53:11; 55:136; 62:142; pelocarpus 55:137; 56:40; 58:247; 67:376; 72: 514; 73:257; platyphyllus 59:36; polycephalus 66:161; var. crassifolius 73:552; repens 54:126; roemerianus 75:414; scirpoides 62:94; 71:32; secundus 63:20; 73:498; setaceus 54:193; **slwookoörum** 72:486, 487 (fig. 1), 488; sp. 71:505-506; stygius subsp. americanus 70:208; var. americanus 53:14, 17, 268; 54:226; 70:206-207; subnodulosus 61:31; tenuis 51:9; 60:67; 65:90; 72:340; 75:316; f. discretiflorus 54: 252; f. williamsii 55:47, 136; var. dudleyi 55:136; var. multicornis 55: 136; var. tenuis 72:513; tracyi 58: 280-281; trifidus 56:246; 67:380; 68:411 (fig. 3, map), 416; 74:367-368, 370-371, 373, 375; triglumis 65:214; 70:104; validus 66:161; 68: 519; 71:32; 72:272; 73:552; var. fascinatus 73:552; vaseyi 55:136; 57:306; 58:280; 74:390

Jungermannia polaris 60:222 (fig. 11, map); schiffneri 60:211, 222 (fig. 11, map), 223

Juniperus 54:303; 56:169, (pl. 1199); 75:341; ashei 56:169-171, 172 (pl. 1), 173-177; californica 56:170; communis 62:261; 71:197; var. communis 68:514; var. depressa 53:5, 19; 55:41, 101; 58:50; 66:141; 71: 167; 72:4, 509; 75:314; var. montana 55:101; var. saxatilis 52:62; 55:101; 58:50; deppeana 56:170; erythrocarpa 56:170, 176; flaccida 73:388; horizontalis 55:41, 101; 57: 113; 63:348; 64:341, 351; 66:141; 72: 509; lucayana 56:174; mexicana 56: 169-170, 175-177; monosperma 51: 19; 52:21, 174; 56:170, 173-174, 176-177, 207; monticola 56:170-171, 172 (pl. 1), 174, 177; f. compacta 56:170, 172 (pl. 1), 173, 177; occidentalis 56:170, 173; var. conjungens 56: 173-175; pachyphloea 56:176; pinchoti 52:20; 56:170; sabinoides 56: 170, 173, 175, 177; scopulorum 73: 58; silicicola 67:312; tetragona 56: 170, 177; var. oligosperma 56:171, 173; utahensis 55:238; virginiana 52:274; 53:236; 54:251; 56:174, 176-177; 62:239; 63:40; 64:333; 70:399; 71:22; 73:491; var. crebra 56:204; 69:331

Jussiaea 61:307; angulata 70:38; angustifolia 67:343; 69:432; decurrens 60:206; 61:308; diffusa 68:218; erecta 67:343; 69:432; leptocarpa 60:19, 142-143; 61:307-309; 63:20; 67:181, 343; 70:38; var. genuina 51: 117; peruviana 67:343; repens 67: 347; uruguayensis 57:315

Justicia 61:183; 69:443; 70:156, 333; 71:548; adhatoda 70:156; americana 72:170; carthaginensis 69:443; comata 67:352; **cooleyi** 61:184, 185 (fig. 1), 186; galapagana 61:186; lanceolata 51:21; 64:156, 159 (figs. 50-51); **leucophloea** 71:548, 551; ovata 52:269; 61:186; pectoralis 67: 352; 70:156; var. stenophylla 70: 135, 136 (pl. 1375), 137 (pl. 1376), 138 (pl. 1377), 139, 143 (pl. 1379), 144, 155 (fig.), 156, 333; periplocifolia 69:443; pringlei 61:186; sessilis 69:443; verticillaris 67:352

Kalanchoë 69:408; brasiliensis 69:408; laxiflora 69:408; pinnata 69:408; somaliensis 69:408; verticillata 69: 393, 408

Kallstroemia 69:415, 456; 72:397; caribaea 69:374, 415; intermedia 72: 397; maxima 69:415; 72:397; parviflora 72:397; pubescens 69:374, 415

Kallymeniaceae 72:213; 74:269

Kalmia 52:230; 71:280, 283; angustifolia 53:10; 63:66; 64:98; 65:93, 273; 67:410; 69:59; 71:19, 282-284; 72:281, 523; 75:320; var. caroliniana 70:291; cuneata 71:281 (pl. 1414), 283-284; glauca 53:50; 71:280; hirsuta 56:256; 71:281 (pl. 1414), 282-284; latifolia 57:34-36; 58:39; 63:28, 66-67; 71:280, 282-284; 72: 14, 280-281; microphylla 71:280, 281 (pl. 1414), 282-284; polifolia 55: 51, 181; 62:174, 276; 65:93; 69: 452; 71:280, 281 (pl. 1414), 282-284; 72:523; var. microphylla 71: 280, 284; var. polifolia 71:280, 282, 284; var. rosmarinifolia 71:280;

×microphylla 71:281 (pl. 1414), 282; poliifolia 69:452
Kanimia 70:231, 233; strobilifera 70: 230 (fig. 11), 236
Keerlia linearifolia 63:152, 158
Keissleriella caudata 68:185, 187 (fig. 8); cladophila 68:185
Kerria japonica 69:310, 318
Kiaeria falcata 62:170; glacialis 51: 29; starkei 51:122-123
Kickxia elatine 53:132; 59:127
Kiesera 51:233; candida 51:374; sericea 51:233, 374
Kirchneriella contorta 71:452, 453 (fig. 21), 455; lunaris 63:277; 71: 455; var. dianae 71:455; var. irregularis 64:55; obesa var. aperta 71: 455; var. major 63:277; subsolitaria 63:277
Kneiffia latifolia 51:68; tetragona var. hybrida 51:68
Knoxia purpurea 61:167
Kobresia bellardii 70:104; elachycarpa 74:329; myosuroides 70:103-104; simpliciuscula 67:381; 71:504; 74: 329
Kochia scoparia 60:300, 305; sieversiana 60:300, 305
Koeleria 58:93; 68:99, 242; ciliata 58: 96; cristata 58:94-95; 62:200; 68: 242, 441; **gerardi** 58:95; gerrardi 58:95; gracilis 58:94; subsp. boliviensis 68:242; macrantha 58:94; 68:441; nitida 58:94; **pectinata** 58: 95; phleoides 58:94-95; pseudocristata var. andicola 68:242; pubescens 58:96; pyramidata 58:94; splendens 58:95; tuberosa 58:93, 95; valesiaca 58:95; vallesiana 58:94-95; villosa 58:96
Koellia flexuosa 66:379; hyssopifolia 66:380
Koenigia islandica 55:219
Kornmanniana leptoderma 73:275; 74:479-481
Kosteletzkya virginica 57:278, 286; var. altheaefolia 69:452; var. althaeifolia 57:286; 69:452
Krameria grayi 60:102-103, 105 (fig. 4); lanceolata 60:102-103, 105 (figs. 1-2); 64:151; ramosissima 60:102-103, 105 (fig. 3)
Krameriaceae 64:148, 151
Kraunhia 51:222
Krigia biflora 73:497; dandelion 61:78; oppositifolia 65:273
Krugiodendron 69:423; ferreum 69: 423
Kuhnia 72:38; chlorolepis 65:226, 231 (fig. 2), 233; eupatorioides 57:321; 72:39; var. angustifolia 66:160; var. corymbosa 66:160; var. eupatorioides 66:160; var. floridana 72:39; var. gracilis 72:39; var. ozarkana 66:160; var. pyramidalis 66:160; 72:39; mosieri 72:38-39; paniculata 72:39; pinnata 64:90
Kylinia 75:531, 535, 566; alariae 71: 132; 72:117, 200, 205, 237; 75:541, 608; australis 75:564; catenulata 75:86, 557; collopoda 74:85, 91, 93, 96; 75:86, 557; compacta 71:132; 74:85, 89, 93, 96; 75:86, 557, 608; crassipes 75:87, 558; cytophaga 75: 592; dufourii 75:84; hallandica 71: 132; 75:84, 608; humile 75:569; infestans 75:91; microscopica 75:86, 557; moniliformis 71:132; 74:85, 93, 96; 75:87, 558, 608; rhipidandra 75: 541; sargassi 75:84; scapae 74:92-93; secundata 71:132; 72:117, 237, 323, 334; 74:268, 473; 75:94, 575, 608; sp. 72:232; unifila 75:564, 608; virgatula 71:132; 72:201, 206, 237; 75:94, 96, 576, 608; f. luxurians 72: 206, 237; 75:576
Kyllinga 51:22; brevifolia 51:20, 22, 119; 67:320; odorata 67:320; peruviana 67:320; pumila 51:22; 67: 320; pungens 67:320
Kyrstenia incarnata 73:567

Labatia 53:232
Labiatae 51:208; 52:297; 55:188; 63: 211; 64:147, 153; 67:350; 69:395, 439; 71:514; 75:320, 421
Lablab niger 69:374
Laboulbenia 53:100
Laccaria trullisata 64:130 (pl. 1269), 131
Lachnanches caroliniana 71:32; 75: 382, 385; tinctoria 53:82, 87; 64:89
Lachnocaulon anceps 57:284; 71:31; digynum 75:383; engleri 75:383; glabrum 66:379; minus 71:31; 75: 369, 384
Laciniaria chapmanii 75:404
Lactuca 69:449; 70:40; biennis 55:201; 58:247; 72:528; canadensis var. canadensis 72:528; var. latifolia 60: 68; 72:528; var. longifolia 60:68; 72:528; floridana var. floridana 55: 225; hirsuta 54:259; var. sanguinea 54:259; integrifolia 57:291; 70:40; intybacea 67:354; ludoviciana 55: 46, 201; 70:431; muralis 68:138; oblongifolia 57:291; 70:40; pulchella 57:291; 64: 270; 70:40; saligna 63: 147; 75:410; f. ruppiana 63:148; sativa 69:449; scariola var. integrata 51:112
Laelia sect. Cyrtolaelia; anceps 74:283
Laeliopsis domingensis var. **alba** 62: 236

Laestadia castanicola 62:195-196; orientalis 62:195-196; rubescens 62:194, 196
Laetia procera 67:341
Lafoensia pacari 71:548, 550
Lagarosiphon major 67:168
Lagascea mollis 67:355
Lagenaria 69:447; siceraria 67:354; 69:447; vulgaris 73:379
Lagenocarpus guianensis 67:322; portoricensis 67:322
Lagenophora 67:36; andina 67:40-41; **cuchumatanica** 67:36, 38, 39 (pl. 1309), 40-41; mauiensis 67:40; panamensis 67:40
Lagerstroemia 69:429; indica 69:429; speciosa 67:342
Lagotis glauca 65:220; var. stelleri 65:220-221; **hultenii** 53:228; minor 65:221
Laguncularia 69:430; 75:105; racemosa 57:276, 279, 287; 69:430; 75:103
Lagynion ampullaceum 63:280; sp. 63:280
Lamiaceae 67:350; 71:33
Laminaria 54:288; 66:221 (pl. 1299), 222 (pl. 1300); 72:320, 322, 326; agardhii 54:289; 66:220, 231-232; 71:129, 153; 72:321; 73:281; 74:267; agarum 54:276; digitata 66:220, 232; 71:128-129; 72:117, 321, 337; 74:127, 128 (figs. 1-3), 129-130, 268, 411, 419; 75:58; groenlandica 71:129, 153; intermedia 74:268; longicruris 66:220, 232; 71:154; 72:117, 321, 337; 74:268; nigripes 71:129; platymeris 74:268; saccharina 71:129; 72:117, 321, 337; 73:278, 281; 74:129, 411, 419, 421, 480, 483 (fig. 1); 75:59; sinclairii 74:127; stenophylla 74:268
Laminariaceae 71:128; 74:267
Laminariales 71:127; 73:281
Laminariocolax tomentosoides 71:154
Lamium amplexicaule 63:289; f. albiflorum 74:386; maculatum f. lacteum 71:172
Lamprothyrsus 68:103, 245; hieronymi 68:245; var. tinctus 68:245
Languas speciosa 67:324
Lantana 69:439; 72:33; aculeata 67:349; arida 67:349; 69:439; balsamifera 66:6; 73:50; camara 57:288; 69:439; 72:34; f. parvifolia 67:349; var. aculeata 67:349; var. mista 67:349; var. mutabilis 67:349; var. sanguinea 67:349; depressa 72:34; fucata var. antillana 67:349; insularis 67:349; involucrata 57:279, 288; 69:439; var. odorata 67:349; montevidensis 67:349; ovatifolia 57:279, 288; 72:33, 35; var. ovatifolia 72:34; var. **reclinata** 72:34; reticulata 67:349; 69:439; strigosa 67:349
Lapathum alpestris 59:5
Laphamia cernua 71:76; cinerea 71:90; quinquefolia 71:78; rupestris 71:58, 74, 81, 83
Lapithea 57:96-97; boykinii 57:97; capitata 57:9; gentianoides 51:140; 57:100
Laplacea portoricensis 67:340
Laportea canadensis 53:3; 58:82; 60:297, 302
Lappula echinata 51:111; 55:187; 58:247; redowskii var. cupulata 63:44; var. occidentalis 54:210; 63:44
Lapsana communis 56:251; 60:28; 72:528
Larbrea uliginosa aa. ovalifolia 52:250; b. alpina 52:251
Lardizabalaceae 62:111
Larix laricina 52:277; 55:42-43, 47, 101; 57:113; 63:284; 65:88, 156; 67:195; 70:206-207, 212; 72:418, 509; 75:314
Larrea 56: (pl. 1199); 75:341, 355, 359; tridentata 60:5; 73:185
Lasiacis 68:107, 332; ligulata 68:332; maculata 69:372; patentiflora 67:318; sorghoidea 68:332; 69:372
Lasianthus lanceolatus 67:353; moralesii 67:353
Lasiosphaeria chrysentera 68:185; ovina 68:185
Lasthenia 66:67
Lathyrus 55:355; aphaca 74:155; hirsutus 59:30; japonicus 54:203; 71:19-20, 26, 516, 522; 75:319; var. glaber 55:52, 170; 63:288; 67:89; 72:520; f. spectabilis 55:170; var. pellitus 65:92; 66:62; 72:520; latifolius 65:75; maritimus 54:203; 72:372; myrtifolius 51:136; 70:40; ochroleucus 55:45, 170; odoratus 64:338; 69:415; paluster var. myrtifolium 51:136; palustris 51:136; 64:343; 71:522; var. genuinus 51:136; var. linearifolius 65:92; 66:149; var. myrtifolius 51:136; var. pilosus 65:92; 66:149; 72:520; venosus 67:394, 395 (fig. 4, map); var. intonsus 55:170
Laugeria resinosa 67:353
Lauraceae 52:294; 62:111; 67:330; 69:406; 71:32
Laurentia longiflora 67:354
Laurocerasus myrtifolia 67:331; occidentalis 67:331
Laurus benzoin 51:159; diospyroides 51:153; diospyros 56:256; diospyrus

51:153; geniculata 51:153-154; melissaefolia 51:153
Lavatera assurgentiflora 59:184; cretica 74:392
Leandra rhodopogon 65:19
Leathesia difformis 66:232; 71:125; 72:117, 321, 337; 74:419; 75:269
Leavenworthia 69:383; aurea 54:182; 58:73-75, 201, (pl. 1223); **exigua** 58:74-75, (pl. 1223); stylosa 54:182; 58:73-75; torulosa 54:182; uniflora 54:182
Lebetina 64:4, 9-10
Lebretonia paniculata 67:340
Lecanora chlarotera 74:478; elegans 54:277
Lecanoraceae 56:108
Lechea 68:192; 69:186; sect. Lechidium 63:105; brevifolia 68:205; cernua 63:106, 108 (fig. 10), 114 (map 10), 117; 68:203; cinerea 68:194; corymbosa 68:200; deckertii 63:107, 108 (fig. 6), 110, 111 (map 6), 113; 68:203; divaricata 63:105, 108 (fig. 2), 110, 111 (map 2); 68:203; exserta 63:113; floridana 68:203-204; furfuracea 68:195; glomerata 68:200; heterophylla 68:199-200; var. major 68:200; var. minor 68:200; var. parviflora 68:200; intermedia 68:193, 195, 198; var. intermedia 72:522; var. juniperina 72:522; var. laurentiana 51:10; juncifolia 68:196-197; laxiflora 68:195-197; var. brevifolia 68:196; leggettii 63:103, 107, 108 (fig. 8), 114 (map 8), 115; 68:193-195, 197-198, 201, 203, 207; var. ramosissima 63:115; linifolia 68:208; major 63:112; 67:64, 255, 258, 269, 272; 68:197; maritima 53:2; 63:112, 116; 68:193, 198, 205; 71:19, 26; 73:495; var. subcylindrica 53:2; mexicana 68:208; minor 63:106, 108 (fig. 4), 111 (map 4), 112; 68:194, 198-207; mucronata 68:197-198, 200-204; var. ramosa 68:199; var. sessiliflora 68:199; var. simplex 68:199; var. typica 68:199; myriophylla 63:113-114; patula 52:265; 63:106, 108 (fig. 5), 110, 111 (map 5), 113; 68:194, 203-204, 207; pauciflora 68:205; paucifolia 68:208; prismatica 63:113; pulchella 68:193-194, 196-197, 203; racemulosa 63:104, 106-107, 108 (fig. 7), 109, 114 (map 7); 68:193, 195, 197-198, 201-204; recurvata 68:197; revoluta 68:202; san-sabeana 63:104, 117; secundiflora 68:204; sessiliflora 68:207-208; stellata 68:206-207; stricta 68:195; surculosa 68:201-202; tenuifolia 63:104, 106, 108 (fig. 3), 110, 111 (map 3); 68:196-200, 202-205; 74:293; var. occidentalis 63:110; var. tenuifolia 63:110; ternifolia 68:194-195; thymifolia 68:194, 205-206; torreyi 63:103, 107, 108 (fig. 9), 114 (map 9), 116; 68:94, 203, 207; var. congesta 63:116; var. torreyi 63:116; tripetala 63:103, 105; 67:312; uniflora 68:206; verna 68:196-197; villosa 54:174; 63:104-105, 107, 108 (fig. 1), 109-110, 111 (map 1), 112, 115; 68:197-200, 202-204, 207; 73:495; 74:293; var. macrotheca 63:107; 68:199; var. schaffneri 63:107; 68:199; var. typica 63:107; var. villosa 63:107, 109; virgata 68:202-203; var. bracteata 68:203; var. breviflora 68:203
Lechidium 63:104
Lecidea 56:109, 113; sect. Biatora 56:113; sect. Psora 56:106, 109, 112; sect. Tonniopsis 56:109; subgen. Psora 56:106; acervulata 56:139; alboradicata 56:112; atrorufa var. squarrosa 56:142; bumamma 56:139, 141; caulescens 56:142, 144; columnatula 56:114; conglomerata 56:137; fujikawae 56:109; glomerans 56:112; rubiformis 56:112; ruginosa 56:144; squalida 56:141; var. caulescens 56:142; styloumena 56:139-141; subglobosa 56:121, 123; thalloedaemiformis 56:109
Lecideaceae 56:105-106, 108-110, 113, 137, 151
Lecideales 56:108, 113
Lecocarpus 72:106-109
Lecticula resupinata 75:403
Lecythidaceae 69:432
Ledum groenlandicum 53:50; 55:12, 44, 47, 51, 181; 58:23; 62:276; 65:93, 286; 68:189; 72:523; 74:529; 75:320; latifolium 55:12-13, 295; palustre 62:261; subsp. decumbens 55:251; 65:220
Leersia 68:104, 289; hexandra 51:127; 67:319; lenticularis 51:126; 63:137; monandra 67:319; oryzoides 51:119; 53:20; 54:254; 64:284; 72:511; virginica 63:137
Leguminosae 51:203, 206; 52:253, 295; 55:169; 59:116, 243; 69:48, 395, 408, 410-411; 70:492-496; 71:515, 550; 73:48-50; 75:132, 137, 318, 416; subfam. Caesalpinoideae 59:243; 60:101-103; 67:332; 68:429; 70:493, 495-496; trib. Cassieae 60:102, 104; trib. Krameriae 60:101; subfam. Faboideae 70:492-493, 495-497; trib. Dalbergieae 70:497; trib. Galegeae 70:498; trib. Genisteae 70:497;

trib. Hedysareae 68:360; 70:497; trib. Loteae 70:497-498; trib. Phaseoleae 70:498; trib. Podalyrieae 70:492, 497, 530; trib. Sophoreae 70:492, 497-498; trib. Trifolieae 70: 497-498; trib. Vicieae 70:497; subfam. Lotoideae 70:495, 497; subfam. Mimosoideae 56:132; 59:243; 67:331; 70:493, 495-496; subfam. Papilionatae 59:243; 70:497; subfam. Papilionoideae 67:333; 70:495, 497; trib. Galegeae 51:193, 204, 222; subtrib. Craccanae 51:222; subtrib. Millettianae 51:222; subtrib. Tephrosieae 51:222; subtrib. Tephrosiinae 51: 219, 222; trib. Lespedezeae 68:360; trib. Phaseolae 51:381
Leiophyllum 70:290; buxifolium 70: 290-291; 73:111; var. hugeri 54:176; 70:291; var. prostratum 70:290
Leiosphaerella **falcata** 68:186, 187 (figs. 1-4); phoenicis 68:186; praeclara 68:186
Lejeunea bullata 59:257; flava 59:257; lamacenna var. geminata 59:258
Lejeuneaceae 53:121
Lelya 63:217
Lemanea fucina 72:207
Lembophyllaceae 62:147, 161
Lemna minor 52:260; 53:80, 85, 272; 54:135; 55:136; 59:265; 64:84; 67: 195; 70:171, 491; 71:168; 72:9-10; 73:297; oligorrhiza 64:83; perpusilla 53:80, 86-87; 54:306; 72:10; trisulca 53:80, 88, 267; 61:276, 281; 70:171; 72:513; valdiviana 53:80, 87; 63:20; 72:10
Lemnaceae 53:80; 55:136
Lentibulariaceae 55:191; 62:238; 64: 147, 154; 67:351; 71:33
Lentinus haematopus 64:131
Leonotis 69:440; nepetaefolia 51:141; 69:440
Leontodon autumnalis 60:66; 64:346; 65:95; 71:523; var. autumnalis 61: 79; 72:528; var. pratensis 61:79; 69: 34; 72:528; 75:321; leysseri 60:28; palustre 54:50, 283
Leonurus 69:440; cardiaca 72:283, 524; marrubiastrum 74:156, 386; sibiricus 69:440; 72:283, 393
Leotia batailleana 56:108
Lepachys 70:350, 354; columnaris 70: 350, 369; var. pulcherrima 70:350, 376; var. tagetes 70:383; columnifera 70:369; var. pulcherrima 70: 376; mexicana 70:350, 355; peduncularis 70:350, 364; var. picta 70: 350, 366; pinnata 70:350, 357; pinnatifida 70:357; tagetes 70:350, 383
Lepanthes 61:1; acuminata 61:2-3; **ancylopetala** 61:3-4; avis 61:2-3, 5-6, 14-15; brenesii 60:100; cascajalensis 61:10; cochleariformis 60: 98; **congesta** 61:3, 5-6; dawsonii 61:17; **disticha** 61:3, 6, 13 (pl. 1236), 17; ekmanii 59:248; fractiflexa 61:14; guatemalensis 61:19; hondurensis 61:10; inaequiloba 61: 5, 7-8; leonii 59:250; lindleyana 61:15; lindmaniana 59:248; longicruris 59:248; **moorei** 61:2-3, 6; **nigriscapa** 61:3, 5, 8, 9 (pl. 1235), 10-12; **oestlundiana** 61:3, 9 (pl. 1235), 10-12; oreocharis 61:2-4, 12; **orizabensis** 61:3, 12, 13 (pl. 1236), 14; **papillipetala** 61:3, 14-16; **parvula** 61:3, 15; pergracilis 59:250; pristidis 61:2-3, 17; rekoi 61:1, 3, 13 (pl. 1236), 15, 17-18; schiedei 61:3, 14, 16, 18, 20; scopula 61:11; stenophylla 61:4; **tenuiloba** 61:3, 13 (pl. 1236), 18-20; tridentata 61:2; turialvae 60:97-100; 61:2
Lepanthopsis melanantha 58:291; microlepanthes 59:247 (fig.), 250
Lepidagathis alopecuroidea 67:352
Lepidium 69:407; austrinum 56:160; calycinum 54:98; campestre 54:164; 63:49, 54; 69:463; 72:518; densiflorum 55:154; 63:49, 54, 146; 72: 518; filicaule 75:416; iberis 62:19; latifolium 62:19; 63:49, 55; perfoliatum 59:289; 63:49, 55; pinnatisectum 69:373; ruderale 51:8; 62: 19; 63:49, 54; sativum 63:49, 54; sisymbroides 65:45; sordidum 62:14, 19; virginicum 57:285; 62:14, 19; 63:49, 51, 177; 69:407; 71:25; 75: 416
Lepidozia reptans 53:120; 58:248
Lepidoziaceae 53:120
Lepraria nigra 61:101
Leptilon bonariense 67:355; 69:448; 75:406; chinense 67:355; linifolium 67:355; pusillum 67:355; 69:448; 73:49
Leptobotrys 69:297; discolor 69:287, 300
Leptobryum pyriforme 62:157
Leptocarpha 59:248
Leptocereus grantianus 69:375
Leptochilus alienus 67:358; cladorhizans 67:358; guianensis 67:358; nicotianaefolius 67:358; pergamentaceus 67:358
Leptochloa 66:165; 68:101, 280; attenuata 63:26; domingensis 68:280-281; dubia 56:179, 210; 57:283; 68: 280-281; fascicularis 63:134; 67:319; 75:370; filiformis 63:26; 67:319; var. **attenuata** 63:26; var. filiformis 63:26; panicea 67:319; panicoides 66:165; uninervia 56:30, 158; 68:

280, 519; 75:370; virgata 68:280-281
Leptocinclis acuta 69:56
Leptocolea cardiocarpa 59:257
Leptocoryphium 68:105, 292; lanatum 68:292
Leptodactylon caespitosum 51:24; pungens 60:270
Leptodictyum riparium 53:125; 58:249; 62:164; sipho 62:170; trichopodium 53:126; var. kochii 62:164
Leptodon trichomitrion 53:126; 62:160
Leptoglottis nuttallii 59:116-117
Leptolobium 70:499; dasycarpa 70:499
Leptoloma cognatum 58:318; 59:233; 63:135; 68:156
Leptonema fasciculatum 71:154
Leptophora 59:148
Leptophytum laeve 71:133
Leptopoda 59:148; brachypoda 59:103, 210; brevifolia 59:205; decurrens 59:103, 168-169, 171-173, 205; denticulata 59:168-169, 172-173; fimbriata 59:149, 153-154, 173-178, 203-204; floridana 59:168; helenioides 59:168; helenium 59:101-104, 148, 168-169, 171-173; 66:381; incisa 59:149, 158; pinnatifida 59:149, 154, 156; puberula 59:102-103, 149, 154, 156, 171-172; var. pinnatifida 59:149
Leptorachis 69:242
Leptosira mediciana 58:117, 120; 64:55
Leptosphaeria 71:198; asparagi 62:195 (fig. 6), 197; comatella 62:197-198; eutypoides 64:136; macrospora 71:196 (fig. 9), 197; senecionis 71:197
Leptothrix 64:58
Lepuropetalon spathulatum 71:217
Lescuraea patens 62:161; saviana 72:500
Leskea arenicola 53:126; gracilescens 53:126; 62:161; nervosa 62:161; obscura 53:126; 62:161; polycarpa 62:161
Leskeaceae 53:126; 62:147, 161
Leskeellea nervosa 62:161
Lespedeza 55:355; 68:359; acuticarpa 68:403; angustifolia 68:363, 367, 369-370, 372, 375 (fig. 2, map), 383, 393-395, 399; f. subvelutina 68:368-369; var. brevifolia 68:368-369; ×capitata 68:396, 400 (fig. 15, map); ×hirta 68:364, 377, 396, 398-399, 401 (fig. 16, map); ×repens 68:396, 400 (fig. 15, map); ×stuevei 68:396, 400 (fig. 15, map); ×virginica 68:396; bicknellii 68:371; bicolor 68:359; brittonii 68:402; capitata 58:274; 68:362-363, 367, 370, 372-374, 375 (fig. 3, map), 379, 382, 393-394, 398-399; 71:32; var. angustifolia 68:368; var. calycina 68:376, 399; var. capitata 68:373; var. hirtiformis 68:398-399; var. longifolia 58:274; 68:399; var. sericea 68:371, 373; var. stenophylla 68:371, 373-374; f. argentea 68:371, 374; var. typica 68:371, 373; var. velutina 68:371, 373; var. vulgaris 68:371, 374; ×hirta 68:396, 398-399, 401 (fig. 16, map); ×intermedia 68:396-397, 400 (fig. 15, map); ×leptostachya 68:396, 401 (fig. 16, map); ×repens 68:396, 401 (fig. 17, map); ×stuevei 68:396, 400 (fig. 15, map); ×violacea 68:396, 399, 400 (fig. 14, map); ×virginica 68:396-397, 399, 401 (fig. 16, map); cuneata 68:359; cytisoides 64:60; divergens 68:390, 393; frutescens 68:371, 380-381, 392-393; var. acutifructa 68:380-381; hirta 58:274; 68:363, 367-368, 372, 374, 377-379, 399; 73:493, 508, 510-511, 513; subsp. curtissii 68:375 (fig. 5, map), 376-379, 398; subsp. hirta 68:375 (fig. 4, map), 376-378; var. angustifolia 68:368; var. appressipilis 68:377, 398; var. calycina 68:376, 379; var. dissimulans 68:398-399; var. intercursa 68:368, 370; var. longifolia 68:398; var. oblongifolia 68:398; var. sparsiflora 68:376-377; var. typica 68:376; ×intermedia 68:396-397, 399, 400 (fig. 14, map), 402; ×procumbens 68:396, 401 (fig. 16, map); ×repens 68:396, 403 (fig. 18, map); ×stuevei 68:396-397, 401 (fig. 17, map); ×violacea 68:377, 396, 400 (fig. 15, map); ×virginica 68:396-397, 403 (fig. 18, map); intermedia 68:361 (figs. 1a-1b), 363, 368, 375 (fig. 6, map), 380-381, 388, 392-393, 397, 402; f. hahnii 68:402; var. hahnii 68:401; ×procumbens 68:396, 401 (fig. 17, map); ×repens 68:396, 400 (fig. 15, map); ×stuevei 68:396, 403 (fig. 18, map); ×violacea 68:396, 400 (fig. 14, map); ×virginica 68:396, 400 (fig. 14, map); leptostachya 57:268; 68:367, 370, 375 (fig. 7, map), 382-383, 395; longifolia 58:274; 68:398-399; manniana 68:399; neglecta 68:402-403; nuttallii 68:399; var. manniana 68:399; var. nuttalli 68:402; ×nuttallii 68:397; oblongifolia 68:398; polystachya 68:376; prairea 68:390, 393; procumbens 68:363-364, 367, 383, 384 (fig. 8, map), 385, 390, 392; var. elliptica 68:402; ×repens

68:396, 400 (fig. 15, map); ×stuevei 68:364, 396, 403 (fig. 18, map); ×violacea 68:396, 400 (fig. 15, map); ×virginica 68:396, 401 (fig. 17, map), 402; prostrata 68:385; repens 68:361 (fig. 1e), 367, 384 (fig. 9, map), 385-387, 390, 392-393; ×stuevei 68:396, 401 (fig. 17, map); ×violacea 68:396, 401 (fig. 17, map); ×virginica 68:396, 403 (fig. 18, map); reticulata 68:380, 393; var. angustifolia 68:393; var. sessiliflora 68:380; sessiliflora 68:380, 393; simulata 68:397, 399; stipulacea 68:359; striata 68:359; 73:111, 493; stuevei 68:363, 368, 371, 384 (fig. 10, map), 387-388, 395, 402; f. angustifolia 68:402-403; var. angustifolia 68:402-403; var. intermedia 68:380; var. neglecta 68:402; ×violacea 68:396, 401 (fig. 17, map); ×virginica 68:396, 402, 403 (fig. 18, map); texana 68:367, 389-390, 391 (fig. 11, map), 395; thunbergii 54:255; velutina 68:371, 373; violacea 68:361 (figs. 1c-1d), 362-363, 368, 381, 387, 390, 391 (fig. 12, map), 392-393; var. angustifolia 68:393-394; var. divergens 68:390; var. prairea 68:390; var. reticulata 68:393; var. sessiliflora 68:380; ×virginica 68:396, 400 (fig. 15, map), 403; virgata 68:401; virginica 68:363, 368, 381, 388, 391 (fig. 13, map), 393-395; 74:292; f. deamii 68:402-403; var. deamii 68:395; var. sessiliflora 68:380; var. typica 68:394
Lespedezia 68:365
Lesquerella 57:241; 75:622-623; angustifolia 58:199-202; arctica 54:184, 216; argentea 62:14-15; argyraea 62:14; auriculata 54:184, 189, 191; 57:241-243, 253-255, 260-262, 264; condensata 54:184; **densipila** 54:184-186, 189, 191; 57:241-243, 249-251, 254, 256, 258, 260, (pl. 1208); var. densipila 54:185-186, 188 (fig. 1), 189; var. **maxima** 54:185, 189; 57:251-252, 256; **filiformis** 58:201-202; globosa 54:183-185, 191; gordonii 74:381; gracilis 57:242; 58:199-200, 202; grandiflora 54:184; 57:241-243, 254, 261-264, (pl. 1212); intermedia 74:83; subsp. lasiocarpa 74:77; var. hispida 74:79; lasiocarpa 57:241, 243, 245-247; 61:253-254; 74:77, 79; subsp. **berlandieri** 74:78-79; var. **heterochroma** 74:78; var. **hispida** 74:78; subsp. lasiocarpa 74:77; var. **ampla** 57:244-246; 74:78; var. berlandieri 57:244-246; 61:253; 74:78-79; var. **heterochroma** 57:244-246; 74:78; var. lasiocarpa 57:244, 246; lescurii 54:183-186; 57:241, 243, 247-251, (pl. 1207); longifolia 58:199-201; **lyrata** 57:242-243, 252, 254, (pl. 1209); occidentalis 54:184; ovalifolia 56:208; **perforata** 54:184-185, 187, 189-191; 57:241, 243, 248-249, 257 (figs. A-G), 258-260, (pl. 1211); purpurea 64:150, 155 (fig. 13); schaffneri 61:261; **stonensis** 57:243, 251, 255-256, 258, (pl. 1210); utahensis 54:184
Lessingia 62:62
Leucaena 69:409; glauca 67:332; 69:409; leucocephala 67:332; 69:409
Leucampyx 70:482; newberryi 58:210
Leucantha cyanus 74:344
Leucas 69:440; martinicensis 69:440
Leucelene ericoides 65:228, 231 (fig. 15), 236, 239
Leucobryaceae 53:123; 62:147, 154
Leucobryum albidum 53:123; 62:154; glaucum 53:123; 59:254; 62:154
Leucocrinum montanum 63:330
Leucodermis 53:232
Leucodon brachypus 62:160; julaceus 53:127; 59:258; 62:160; sciuroides 62:160
Leucodontaceae 53:126; 62:147, 160
Leucojum aestivum 53:82, 88
Leucolejeunea clypeata 53:121; 59:256; conchifolia 53:119, 121; unciloba 53:121; 59:256-257
Leucophyllum laevigatum 74:347-348; var. **coahuilense** 74:347-349; var. laevigatum 74:349
Leucophysalis 51:82; 75:330-334, 336 (fig. 1); grandiflora 51:82; 75:332, 364; heterophylla 75:364; nana 75:364
Leucopsis 70:232
Leucorchis albida 59:292; subsp. eualbida 52:249; subsp. straminea 52:249; straminea 52:249; 59:292
Leucospora multifida 51:149
Leymus 70:467, 470
Liagorophila 75:531; endophytica 75:574
Liatris 51:34; 55:353; 59:23; 70:474, 478-479, 482; acidota 64:158; aspera 61:77; 71:34; f. **benkii** 51:104; bellidifolia 70:474; borealis 59:264; 61:77; f. **albiflora** 51:104; chapmanii 75:404; corymbosa 70:431, 474; cylindracea 57:322; 59:23; **f. bartelii** 59:23; dubia 51:104; elegans 71:34; fruticosa 66:19; gracilis 71:34; graminifolia 51:35; 64:89; 70:40; var. dubia 51:35, 104; var. **racemosa** 51:35, 104; var. smallii 51:

143; var. **virgata** 51:104; ligulistylis 55:362; novae-angliae f. albiflora 51:104; odoratissima 56:256; 60: 117-118; 70:474; paniculata 56:256; 60:118; 70:40, 474; pedunculata 56:256; puberula 56:256; punctata 61:77; 74:103; f. alba 56:162; var. **coloradensis** 52:175; var. mexicana 74:104; var. nebraskana 74:104; var. punctata 74:104; var. typica 52:175; 74:104; f. coloradensis 52: 175; pycnostachya f. **alba** 52:40; scabra 57:318; scariosa 61:77; f. benkii 51:104; speciosa 56:256; spicata 56:256; γ racemosa 51:35; var. resinosa 71:34; squarrosa f. **alba** 59:182; var. hirsuta 52:40; tomentosa 70:474; umbellata 66: 396; virgata 51:104
Libertia laurencei 52:224
Libidibia coriaria 67:333
Licaria 69:406; brittoniana 67:330; salicifolia 67:330; 69:406; triandra 67:330
Lichen radicatus 56:111; subulatus 52: 113
Licmophora gracilis 64:55; paradoxa 64:55
Ligusticum mutellinoides 71:506; subsp. alpinum 55:251; scothicum 64:346; 65:93; 71:514, 522; 72:522; 75:319
Ligustrum amurense 72:524; ovalifolium 57:287
Lilaeopsis chinensis 63:252; carolinensis 52:265; chinensis 52:175; 63: 252
Liliaceae 52:293; 53:80; 55:137; 63: 211; 64:148; 67:324; 68:456; 70:55; 71:32, 514, 562; 73:50; 75:316, 414; trib. Smilaceae 70:55
Liliidae 70:426
Lilium andinum 57:291; 58:286; 70: 39; canadense 51:304; 53:9, 81, 85; 58:14-16, 19-20; f. canadense 58: 16-17; f. flavum 58:17, 19; f. michiganense 58:16, 19; f. peramoenum 58:16; f. rubrum 53:81; 58:16-17; f. uniflorum 58:16; subsp. canadense 58:16; subsp. editorum 58:17; subsp. **michiganense** 58:16-17; f. **peramoenum** 58:16, 18; f. **uniflorum** 58:18; subsp. **superbum** 58:16, 19; var. canadense 58:16-17; var. editorum 58:16-17; var. flavum 58:17, 19; var. luteum 58:17; var. rubrum 58:17, 19; carolinense 56:256; carolinianum 58:19; catesbaei 58:19-20; 70:39; 71:32; var. longii 51:131; coccineum 58:17; longiflorum 63:274; martagon 61:112 (pl. 1240); michauxii 58:19; michiganense 58:14-17, 19; 71:563; f. peramoenum 58:18; f. umbelliferum 58:17; f. uniflorum 58:18; var. umbelliferum 58:17; pardalinum var. bourgaei 58:17-18; penduliflorum 58:16; pendulum 58:16; peramoenum 58:18; philadelphicum 51:10; 53:81, 85; 57:113; 58:19-20; 70:39; f. flaviflorum 53:81; var. andinum 55:138; 70:39; superbum 53:81, 87; 58:14-15, 19; 63:307; 71:563; f. **plenum** 63:307; var. carolinianum 58:19; tigrinum 53:81, 88; umbellatum 70:39
Limnobium spongia 69:372; stoloniferum 67:317
Limnosciadium pinnatum 64:282
Limonium 72:24; angustatum 72:25; carolinianum 71:27; 72:24; 75:53, 56; var. angustatum 72:24; var. carolinianum 72:24-25; var. nashii 72:25; var. obtusilobum 72:25; leptostachyum 58:45; limbatum 52: 20, 36; var. **glabrescens** 68:425; var. limbatum 68:425; nashii 67:89; 70:443; 72:24-25, 523; 75:320; var. angustatum 72:25; var. trichogonum 72:25; obtusilobum 72:24-25; trichogonum 72:24-25
Limosella africana 66:127; subulata 53:20; 61:287
Linaceae 71:32
Linaria canadensis 51:10; 52:297; 53: 270; 60:68, 206; 63:45; 66:379; 71: 27; 72:525; dalmatica 53:270; 63: 45; 74:156; minor 51:118; 52:59; repens 53:270; vulgaris 52:297; 55: 189; 71:27; 72:525
Lindera 51:154, 160, 162; benzoin 51: 153-154, 156-162, (pl. 1151); 60: 206; 62:111, 114; 63:66; 66:312; f. xanthocarpa 62:111; var. pubescens 51:155, 159, 161-162; 52: 168; var. typica 52:169; melissaefolium 51:153-162, (pl. 1151); 54: 251; 57:312; 69:453; melissifolium 69:453
Lindernia 64:147; anagallidea 73:260; crustacea 67:351; 75:403; diffusa 67:350; dubia 56:250; 57:309; 64: 154, 159 (fig. 44); 67:351
Lindmania gracilis 71:223; graminea 71:222; pearcei 71:220; penduliflora 71:223; rusbyi 71:221; villosula 71: 222; weberbaueri 71:223; weddelliana 71:221
Lindsaea lobata 63:72
Linnaea 61:59; 75:509; borealis 61: 62; 63:45; 71:508; var. americana 55:46, 193; 57:113; 62:232; 63:66; 65:23, 94, 306; 68:187-188; 72:526; 75:321; var. borealis 62:232
Linociera axilliflora 67:345; caribaea

67:345; domingensis 67:345; holdridgii 67:345; ligustrina 67:345
Linum 65:50, 137; 75:392; arenicola 65:140 (fig. 8), 141, 143; babingtonia 73:563; bahamense 65:140 (fig. 8), 141, 143; 70:439-440; f. bahamense 70:440; f. **corallicola** 70:440; var. bahamense 70:439-440; var. bracei 65:139 (pl. 1285), 141; 70:439-440; var. corallicola 65:141; 70:439-441; bracei 70:440; catharticum 65:140 (fig. 8), 141; 67:196; **coahuilense** 66:278 (figs. 1-4), 279; corallicola 70:441; floridanum 65:140 (fig. 8), 144; var. chrysocarpum 65:141-142, 144; var. floridanum 65:139 (pl. 1285), 141-142; grandiflorum 66:56; hudsonioides 65:52 (figs. 5-9) (fig. 10, map), 54; 73:563; imbricatum 65:50-51, 52 (figs. 1-4) (fig. 10, map); 67:192; 73:563; intercursum 65:140 (fig. 8), 141-142, 144; keniense 73:563; lepagei 54:200; lewisii 54:200; 65:139 (pl. 1285), 140 (fig. 8), 142-143; 70:38; var. saxosum 70:39; lignosum 70:440; longipes 66:279; medium var. medium 65:140 (fig. 8), 141-142, 144; var. texanum 65:140 (fig. 8), 141-142, 144; mexicanum 66:279; **modestum** 66:406, 407 (figs. 1-4); multicaule 65:50-51, 53; mycrophyllium 73:563; perenne 70:38; subsp. lewisii 70:38; var. **saxosum** 70:39; var. americanum 70:38; rigidum 65:51, 140 (fig. 8); 66:279; var. carteri 65:141, 143; var. rigidum 65:139 (pl. 1285), 141-142; rupestre 65:140 (fig. 8), 141, 143; 66:279; schiedeanum 66:406; selaginoides 65:53; 73:560, 561 (fig. 1), 562-563; var. chilense 73:563; striatum 65:139 (pl. 1285), 140 (fig. 8), 142, 144; 71:32; sulcatum 65:140 (fig. 8), 141-142; 66:279; var. harperi 65:142; trisepalum 67:278; usitatissimum 51:8; 65:139 (pl. 1285), 140 (fig. 8), 142-143; 72:520; virginianum 65:140 (fig. 8), 141-142, 144; 71:32; westii 65:140 (fig. 8), 141-142, 144; 75:392
Liparis lilifolia 54:134, 211; 55:156; 63:175; 69:453; liliifolia 53:83, 87-88; 57:131; 69:453; loeselii 51:12, 117; 53:5, 83-84; 54:259; 55:83, 142; 57:307; 72:515; saundersiana 58:291
Lipocarpha 67:98; maculata 61:291-292; 63:21; 65:81; sellowiana 67:98
Lipotriche 75:181
Lippia helleri 67:349; micromera var. helleri 67:349; nodiflora 57:288; 67:349; 71:33; reptans 67:349; stoechadifolia 67:349
Liquidambar 74:287; formosana 74:288, 290; orientalis 74:287, 290; styraciflua 56:84; 57:194, 319; 63:51, 53; 64:230; 66:159, 380; 71:32; 72:79; 73:205, 222, 501, 504, 506; 74:287, 288 (fig. 1), 290, 524; ×formosana 74:289; ×orientalis 74:289
Liquiritia 70:39-40; lepidota 57:291; 70:39
Liriodendron tulipifera 52:294; 54:64; 57:194; 58:39; 62:111, 114; 63:67; 66:379; 68:523; 73:248
Listera auriculata 53:7, 83, 86; 55:77, 141; 72:47; australis 53:83, 86; borealis 51:99; convallarioides 53:83, 86; 55:79, 141; cordata 52:44; 53:83, 86; 55:141; 62:174; 65:84, 90; 75:316; ovata 72:274
Lithocarpus edulis 73:213
Lithoderma extensum 74:419
Lithophyllum corallinae 72:117, 211, 233, 324-325, 334; 74:423; macrocarpum 72:210; pustulatum 74:423
Lithospermum angustifolium 63:234; canescens 63:229-231, 233-234; 70:460; f. **pallidum** 57:316; caroliniense 57:316; 60:206, 296; 64:89; croceum 57:316; 60:296; decumbens 63:230; 70:31; gmelinii 64:89; incisum 63:232-234; 70:31, 460; latifolium 55:156; 57:131; linearifolium 55:225; longiflorum 63:232, 234; 70:31; tournefortii 63:230
Lithothamnium glaciale 71:133; 72:117, 211, 238, 324, 334; 74:423; laeve 71:133; lenormandi 72:212; tophiforme 71:133
Litrisa 70:474-475, 481; carnosa 60:118-120
Litschaueria corticiorum 65:303
Litsea aestivalis 51:154
Littorella americana 54:227; 57:309; 60:33-34, 35 (figs. 1-2), 36 (fig. 3, map), 37; 61:276, 283 (fig. 7, map), 287; uniflora 60:33, 36-37
Lloydia serotina 55:249; 65:215
Loasa 71:548; rupestris 71:548, 550
Loasaceae 71:550
Lobadium aromaticum 73:404 (fig. 52), 411
Lobaria scrobiculata 67:380
Lobelia assurgens var. portoricensis 67:354; boykinii 54:179; 63:236; cardinalis 52:297; 54:259; 55:295; 56:212; 72:79; 73:261 f. rosea 57:317; dortmanna 55:48, 54, 195; 60:33, 37; 61:288; 72:526; 73:261; feayana 57:288; floridana 71:33; glandulosa 71:33; inflata 55:225;

72:526; kalmii 55:195; 57:113-114; 61:23; 62:142; 75:160; lucayana 66:15; nuttallii 66:379; portoricensis 67:354; puberula 71:33; rotundifolia 67:354; siphilitica 54:254, 259; var. siphilitica f. albiflora 74:387; ×cardinalis 54:259; spicata 57:309; var. hirtella 53:17; var. leptostachys 54:129
Lobeliaceae 67:354
Lobularia maritima 63:49, 54; 70:299
Lochnera rosea 57:279, 282, 287
Loeflingia texana 51:24
Loganiaceae 62:181; 64:147, 152; 66:13; 71:33; 72:26
Loiseleuria procumbens 54:48-49, 53; 55:248, 251; 62:261; 67:380; 74:365, 367-368, 370, 373-374
Lolium 68:104, 238; multiflorum 53:266; 56:245; 59:17; 68:238; 72:510; var. diminutum 57:311; 69:31; 71:168; perenne 53:266; 60:65; 68:238; 70:557 (pl. 1401), 558; 71:167; spp. 70:557 (pl. 1401), 558; temulentum 68:238; var. arvense 68:238
Lomaria spicant 52:246
Lomariopsis amydrophlebia 67:358; kunzeana 67:358; sorbifolia 67:358
Lomatium 61:272; foeniculaceum 70:36
Lomatogonium 65:364; rotatum 65:287, 364-365; 66:154; f. americanum 65:94; var. americanum 66:151
Lomentaria baileyana 72:200, 219, 231-232, 238; 75:276; clavellosa 74:158; orcadensis 72:201, 219, 232, 238
Lomogramma guianensis 67:358
Lomoplis ceratonia 69:409
Lonchitis hirsuta 67:357
Lonchocarpus 51:201; domingensis 69:373; latifolius 67:334; pentaphyllus 67:334; sericeus 75:416; var. glabrescens 69:373
Lonchophaca macra 54:160
Lonicera 75:120-121; albiflora 51:27; canadensis 55:45-46, 192-193; 63:66; 65:94; 72:525; 75:321; ×oblongifolia 55:193; ciliata 55:295; dioica var. glaucescens 55:172, 193; hirsuta 55:193; involucrata 52:286; 53:13; morrowi 52:297; 54:210, 259; 72:344; oblongifolia 55:193; sempervirens 71:33; villosa 66:152; 70:210; var. calvescens 66:152; 72:525; var. solonis 55:192; 65:94; 66:152; 72:525; var. tonsa 65:94; 66:152; xylosteum 54:210; 63:119
Lophidium poeppigianum 67:356
Lophiola americana 71:32
Lophochloa cristata 58:96
Lophocolea bidentata 53:120; heterophylla 53:120; minor 59:26
Lophosoria quadripinnata 67:356
Lophotocarpus calycinus f. depauperatus 54:251; f. maxima 57:321; spongiosus 53:2, 24
Lophozia alpestris 60:253; bicrenata 59:26; gillmani 60:213 (fig. 2, map), 223-224; grandiretis 58:248; 60:253; groenlandica 60:253; hatcheri 60:253; helleriana 59:26; heterocolpa 60:223; incisa 59:252; kunzeana 60:223, 253; latifolia 60:223; lycopodioides 60:253; obtusa 60:253; porphyroleuca 59:26; quadriloba 60:213, 214 (fig. 3, map), 233; 64:122; schultzii 60:214, 224; silvicola 59:252; ventricosa 64:124
Loranthaceae 60:298; 64:149; 67:328; 69:401
Lorinseria areolata 71:31
Lotus corniculatus 59:33; 60:42; 61:27; 65:75; 67:196; 69:33; 71:171; 74:150, 392; oroboides 51:382
Loxogramme mexicana 66:111; salvinii 66:111
Loxothysanus sinuatus 66:309
Luchia 67:170; berteroniana 67:170
Lucuma multiflora 67:345
Lucya tetrandra 67:353
Ludwigia 67:83; 69:432; brevipes 54:176; erecta 67:343; 69:432; glandulosa 51:26; var. torreyi 51:26; var. typica 51:21, 26; hirtella 51:20, 26; 71:33; leptocarpa 67:343; 70:38; var. meyeriana 69:375; maritima 70:225; microcarpa 57:287; natans 67:83; octovalvis 67:343; 69:432; palustris 57:309; 67:83, 343; 71:20; var. americana 71:26; 73:259; f. elongata 73:259; peploides 67:343; peruviana 67:343; pilosa 71:33; repens 67:83-84; spathulata 75:394; sphaerocarpa 75:395; suffruticosa 75:395
Lunania buchii 67:341
Lunaria annua 63:49, 55
Lupinus 59:243; 61:272; 72:110; ×alpestris 72:112, 114; arcticus 65:218; argenteus 72:110-114; subsp. argenteus 72:111; var. argenteus 72:111; var. tenellus 72:111; subsp. **rubricaulis** 72:111-112; subsp. **spathulatus** 72:111; ashenbornii 74:490, 494; bilineatus 74:491-492; caudatus 72:110, 112-114; subsp. argophyllus 72:113-114; subsp. caudatus 72:112; subsp. **cutleri** 72:113; subsp. **montigenus** 72:113; cutleri 72:113; decumbens var. argophyllus 72:113; hartwegii 74:494; ×inyoensis 72:114; mexicanus 74:489-492, 493

(fig. 1), 494; montigenus 72:113; palmeri 72:114; parviflorus 72:111; perennis 59:243; persistens 74:494; polyphyllus 71:170; 72:50, 250; rubricaulis 72:111; spathulatus 72:111; tenellus 72:111; termis 74:491; villosus 73:493
Lusekia 52:248
Luziola 68:104, 290; peruviana 68:290
Luzula 54:40; acuminata 53:18, 243-244; 55:137; 64:74-75; 72:514; var. acuminata 64:76-77, 78 (fig. 1, map), 79-82; var. carolinae 52:260; 64:76-77, 78 (fig. 1, map), 79, 81, 83; arctica 71:505; campestris 52:293; carolinae 52:260; 53:243-244; 64:74-75, 81; var. saltuensis 53:243; 64:80; confusa 55:247, 249; 65:214; congesta 68:456; hyperborea 54:54; intermedia 68:454, 456; luzuloides 57:267; multiflora 55:137; 60:70; 66:145; 68:454-456; 75:316; subsp. multiflora 71:505; var. acadiensis 65:90; 66:145; 72:514; var. comosa 66:145; var. fusconigra 72:8, 10, 514; var. multiflora 66:145; 72:514; nivalis 54:54; var. latifolia 65:215; pallescens 53:10; 61:32; parviflora 55:76, 137; 68:414 (fig. 11, map), 417; var. melanocarpa 53:268; 55:137; 57:306; 65:312; 68:414 (fig. 11, map), 417; pilosa 64:74-75; var. β 64:80; var. americana 64:80; piperi 58:281; plumosa 64:74; saltuensis 53:242-244; 55:137; 64:74-75, 80; spicata 67:382; 68:412 (fig. 5, map), 416, 418; sudetica 54:141; tundricola 65:215; wahlenbergii 65:211, 215
Lyallia 75:239, 241, 243-244, 245 (fig. 4), 246; kerguelensis 75:241, 243 (fig. 3)
Lychnis 52:233-234, 236; affinis 52:237-238; ajanensis 52:241; alba 52:234, 242, 294; 55:148; 62:108, 115; 71:306; 72:517; 74:149; alpina 52:234-236, 238; 67:382; var. americana 52:235; f. albiflora 52:235; apetala 52:234-238; 54:49, 51, 216, 278; f. arctica 52:235; subsp. apetala 52:235, 239; subsp. **attenuata** 52:235-236; subsp. **montana** 52:235-236; var. elatior 52:240; var. glabra 52:236; attenuata 52:236; brachycalyx 52:240; chalcedonica 52:235, 243; 62:108, 115; 74: 391; coronaria 52:235, 243; 62:108, 115; dawsonii 52:241; dioica 52:235, 243; 62:109, 115; var. rubra 52:243; diurna 52:243; drummondii 52:234, 241; var. drummondii 52:242; var. nuda 52:242; var. **striata** 52:242; flos-cuculi 52:234-235; 62:109, 115; 69:32; 71:169; funstonii 52:240; furcata 52:234, 236-240; subsp. **affinis** 52:238; subsp. **elatior** 52:238-241; var. **glabra** 52:240; subsp. furcata 52:238; githago 52:243; kingii 52:234, 241; mexicana 52:234, 242; montana 52:236; nesophila 52:235; pauciflora 52:238-239; striata 52:242; taylorae 52:240; triflora 52:234, 236, 241; subsp. **dawsoni** 52:241; subsp. triflora 52:241; var. dawsoni 52:241; vespertina 52:242; viscaria 52:234-235; 62:109, 115
Lycium americanum 67:351; berlandieri 52:20; pallidum 56:161; 74:83; spathulifolium 66:6; tweedianum var. chrysocarpum 67:351
Lycoperdon 52:252; pedunculatum 73:22
Lycopersicon (see Lycopersicum)
Lycopersicum esculentum 67:50, 196; 69:441; 72:393; lycopersicum 67:351
Lycopodiaceae 55:90; 67:360; 68:464; 71:31, 514; 75:313
Lycopodium 66:165; adpressum 71:31; alopecuroides 71:31; 75:368; alpinum 71:504; annotinum 55:45-46, 92; 66:142; 70:216; var. acrifolium 55:92; 72:507; 75:368; var. alpestre 65:87; 66:142; var. annotinum 72:507; var. pungens 55:92; 65:87; 66:142; 67:380; ×**buttersii** 55:89, 91-92; carolinianum 70:225; 71:31; clavatum 51:8; 55:92, 295; 65:82, 87; 67:402; 72:1; 75:144, 256; subsp. monostachyon 71:504; var. clavatum 72:507; var. laurentianum 55:92; var. megastachyon 55:92; 72:507; f. furcatum 67:195; var. subremotum 55:92; complanatum 52:43; 55:93; 67:402; var. canadense 55:93; var. elongatum 55:93; var. flabelliforme 53:19; 58:246; 66:166; 72:508; dendroideum 55:295; flabelliforme 63:21; inundatum 54:208, 213; 67:376; 71:20, 22; 72:507; var. bigelovii 59:264; var. inundatum 65:77; lucidulum 55:91-92, 295; 66:166; 70:216; 72:1; 74:524; 75:256; var. lucidulum 72:507; var. occidentale 72:507; obscurum 52:254; 55:92; 72:281; f. dendroideum 72:507; 75:313; f. obscurum 72:507; var. dendroideum 52:43; 55:45, 93; 65:87; f. exsertum 55:93; pinnatum 66:381; porophilum 66:165-166; prostratum 71:31; 75:368; reflexum var. reflexum 68:464; var. rigidum 68:464; rigidum 68:464; sabinaefolium 69:453; var. sit-

chense 53:7; sabinifolium 69:453; selago 55:17, 90-91, 295; 56:244; 57:301, 303; 61:123; 67:380; 68: 411 (fig. 2, map), 415-416; 70:186, 188; 71:256; 74:367; var. appressum 72:507; var. patens 55:90, 92; 61:22; setaceum 69:376; sintenisii 67:360; tristachyum 51:109; 52:43; 54:165; 55:93; 62:329; 64:98; 72: 508; 74:353; verticillatum 69:376
Lycopsis arvensis 63:44
Lycopus 72:354; americanus 53:5, 270; 55:188; 63:289; 71:20, 27; 72: 79, 352-353, 524; 73:260; var. longii 72:136; var. scabrifolius 55: 225; asper 72:164; europaeus 53: 270; 72:351, 352 (fig. 1, map), 353-362, 363 (fig. 2); var. europaeus 72:353; var. integrifolius 72:353; var. mollis 72:353; var. sessilifolius 72:354; var. sinuatus 72:353; rubellus 71:33; 72:353; var. arkansanus 56:161; sessilifolius 72:354; uniflorus 53:10, 20; 55:188; 64:346; 65:94; 71:522; 72:339, 524; 73:260; 75:320; virginicus 55:225; 72:353; 75:320
Lycurus 68:104, 263; phleoides 51: 20; 68:263
Lygodium palmatum 57:220; 58:270
Lyngbya 75:60; aerugineo-coerulea 63:281; 75:285; aestuarii 71:154; 73: 239-241, 268, 297; 75:285; var. ferruginea 73:268; confervoides 71: 116; 73:239, 241; 75:285; diguetii 58:120; epiphytica 64:55; gracilis 75:285; latissima 64:55; limnetica 67:252; lutea 73:268; 75:285; majuscula 64:55; martensiana 67:252; semiplana 73:239, 268; 75:286; versicolor 58:120; 67:252; wollei 64:55
Lyonia 55:155; **apiculata** 62:237; **cryptogonia** 62:237; **elongata** 62: 237; ligustrina 57:310; 63:66; 64: 91; 71:26, 33; var. capreaefolia 69: 453; var. capreifolia 69:453; **longelaminata** 62:237; mariana 55:155; **orbiculata** 62:237; **pseudotinensis** 62:237; rubiginosa 67:344; stahlii 67:344; **urbaniana** 62:237
Lyophyllum connatum 62:194; **multiforme** 62:186, 193-194
Lysias menziesii 52:63; orbiculata 52:64
Lysichitum americanum 68:28; camtschatcense 68:27
Lysimachia sect. Ephemerum 52:200; sect. Naumburgia 52:200; sect. Steironema 52:201; sect. Verticillatae 52:200; ciliata 73:259, 556 (fig. 1), 557; ×**commixta** 52:199-200; gramineum 75:397; lanceolata 75:398; subsp. lanceolata 75:397; mauritiania 73:557; nemorum 73:557; nummularia 51:139; 55:225; 60:66; 73:557; ×producta 52:199-200; 72: 523; punctata 71:166, 172; 73:557; quadriflora 54:257; 75:398; f. **albescens** 54:257; quadrifolia 52:200; 60:68; 71:307; 72:523; spp. 72:492; terrestris 52:199-201; 53:20; 55:47, 185; 73:259; 74:150; 75:320; var. terrestris 72:523; ×thyrsiflora 52: 199; thyrsiflora 52:199; 55:185; 61: 286; vulgaris 72:546
Lythraceae 64:147, 152; 67:342; 69: 429; 71:33, 550; 73:47; 75:422
Lythrum alatum 53:225; 54:254; carthagenense 60:19; lanceolatum 57:287; salicaria 51:120; 71:171; 74:393; 75:56

Maba sintenisii 67:345
Macbridea pulchra 51:141
MacDougalia 59:131
Machaeranthera 69:478; sect. Psilactis 69:476, 478, 480; arida 69: 476, 478-480; **arizonica** 69:476, 477 (pl. 1370), 478-480; blephariphylla 63:124; coulteri 69:480; crispa 69: 476, 478-480; gymnocephala 63: 124-125, 127; 64:260 (fig. 8), 264; 65:228, 231 (fig. 16) parviflora 64: 254; 69:480; tanacetifolia 63:122, 123 (fig. 9), 127; 64:264; 65:228
Machaerium lunatum 67:334
Macleaya cordata 63:47, 55
Maclura pomifera 58:129
Macocoua 53:232
Macrocystis pyrifera 74:130
Macroptilium 69:414; lathyroides 67: 335; 69:414
Macroule 70:518
Macuillamia repens 70:518
Macvaughiella 72:100-101; mexicana 72:101-102; var. mexicana 72:101; var. **standleyi** 72:101-102; standleyi 72:102
Madia 51:8; minima 74:204-205; sativa 51:145
Magnolia 51:135; acuminata 51:134-135; 62:111, 115; 68:523; 72:491; var. aurea 51:135; var. cordata 51: 134; cordata 51:134; 57:189; denudata 52:294; fraseri 72:491; 73: 248; grandiflora 56:256; 66:159; macrophylla 51:135; soulangeana 61:66; stellata 61:66; tripetala 51: 135; 62:111, 115; 66:275; 67:394, 395 (fig. 1, map); 71:478; 74:524; umbrella 51:136; virginiana 52:132; 61:65-67, 69; 62:111, 114; 70:290; 71:32; 73:492, 502-503, 505, 507, 509

Magnoliaceae 52:294; 62:111; 70:425; 71:32
Magnoliatae 70:425
Magnoliidae 70:425
Magnoliophyta 70:422
Maianthemum canadense 52:53, 293; 53:81, 84; 54:64; 55:45-46, 48, 138; 56:2; 58:310; 60:67; 65:23, 90; 72: 282, 514; 75:316; var. interius 54: 209; 55:48, 138, 173
Malache scabra 67:340; 69:375
Malachodendron 71:437; ovatum 71: 437
Malachra 69:424; alceifolia 69:424; var. fasciata 69:347; capitata 69: 424; fasciata 69:375
Malacothamnus 69:14-15, 21
Malaxis bayardi 72:136; brachypoda 52:44; 53:11, 83, 86; 57:306; 62: 142; f. **bifolia** 52:71; domingensis 59:250; monophyllos 53:73; f. bifolia 52:71; umbelliflora 59:250; unifolia 53:83-85; 55:141; 72:515
Malcolmia maritima 63:49, 55
Mellinoa corymbosa 71:571
Mallomonas aceroides 71:465; elegans 71:465; fastigiata 71:466; producta 71:466; pseudocoronata 71: 466; tonsurata 71:466
Mallotonia gnaphalodes 67:348; 69: 438
Malouetia 70:336; tamaquarina 70: 327
Malparia 69:43; tenuis 69:43 (fig. 11, map), 44 (pl. 1340)
Malpighia 69:394, 416; angustifolia 67:336; 69:374; glabra 69:416; linearis 67:336; 69:374; punicifolia 69:416; shaferi 67:336
Malpighiaceae 65:9; 67:335; 69:416; 70:318, 321
Malus platycarpa var. hoopesii 60: 294; "Prince Georges" 70:296
Malva 69:10, 14, 21; anomala 69:16; coccinea 57:291, 293; 58:287; 70:41; moschata f. heterophylla 71:171; f. laciniata 71:171; f. moschata 71: 171; neglecta 72:521; perpusilla 69:23; rotundifolia 63:289; tricuspidata 69:11
Malvaceae 51:208; 52:296; 63:211; 66:13; 67:339; 69:9-10, 395, 424; 71:33, 497; 73:48, 50; 75:148, 418; trib. Malveae 69:16, 21
Malvastrum 69:9, 11, 13-16, 18, 21-23, 424; amblyphyllum 69:19-20; americanum 67:339; 69:11, 15, 18-19, 22, 424; angustum 69:9-15, 23, 26; aurantiacum 69:11, 19-20; bicuspidatum 69:11, 20; coccineum 69:14-15; corchorifolium 69:11-12, 18, 424; coromandelianum 69:11-13, 15-16, 18, 20, 22, 424; depressum 69: 20; dimorphum 69:20; fremontii 69:14; grossulariaefolium 69:14; guaraniticum 69:20; guatemalense 69:20; hispidum 69:14, 16, 21-23, 25-26; interruptum 69:18-19, 23; lacteum 69:15; munroanum 69:14; rugelii 69:18; scabrum 69:20-21; scoparioides 69:20; scoparium 69: 20; spicatum 67:339; 69:18, 424; spiciflorum 69:18-19; subtriflorum 69:15; tricuspidatum 69:11, 18; wrightii 69:19
Malvaviscus 69:424; arboreus 67: 340; 69:424; malvaviscus 67:340
Malveopsis 69:15-16; hispida 69:23
Mammea 69:426; americana 69:426
Mammillaria 69:428; nivosa 67:342; 69:428; vivipara 57:293; 58:286; 70:431
Mancoa bracteata 59:69; **laxa** 59:68-69; mexicana 59:69; pubens 59:69; 61:255
Manfreda virginica 54:172
Mangifera 69:421; indica 69:391, 421
Manihot 69:420; manihot 67:337; 69: 420; utilissima 67:337; 69:420
Manilkara 69:434; albescens 69:375; balata 67:345; 69:392, 424; bidentata 67:345; 69:434; duplicata 67: 345; emarginata 67:345; jaimiqui 67:345; nitida 67:345; 69:434; pleeana 67:345; zapota 67:344; 69:434
Manisuris 68:106, 356; altissima 68: 356; aurita 68:356-357; cylindrica 71:31; fasciculata 68:356; rugosa 75:374; tuberculosa 75:374
Mannia fragrans 60:233; pilosa 60: 211, 233 (fig. 16, map), 234, 247, 249-250; rupestris 60:211, 243-244, 245 (fig. 17, map); sibirica 60:211, 233 (fig. 16, map), 234, 249-250
Mantisalca salmatica 74:339
Mapania assimilis 73:160; gabonica 73:160; macrophylla 74:327; maguireana 73:160; monosperma 73: 160; sylvatica 73:160; 74:328
Marantaceae 65:9; 75:428
Marasmius sect. Globulares 65:297; strictipes 65:296-297
Marcgravia 69:426; rectiflora 69:392, 426
Marcgraviaceae 69:426
Marchantia polymorpha 53:121
Marchantiaceae 53:121
Margaranthus 69:84, 100, 224; 75: 331-334; sulphureus 69:224
Margaritaria 69:420; nobilis 69:420
Marica bulbosa 64:308-309; lutea 64: 309; martii 64:309
Marilaunidium jamaicense 66:13; 67: 348

Mariscus jamaicensis 67:322; 73:49
Marshallia mohrii 75:368, 408; ramosa 56:263
Marsilea 66:9; 75:115; nashii 66:6, 10-11; quadrifolia 66:161; tenuifolia 66:10
Marsileaceae 66:10
Marssoniella elegans 63:280
Marsupella emarginata 59:253; 60:246; paroica 59:253; 60:245 (fig. 18, map), 246; sparsifolia 60:245 (fig. 18, map), 246; sphacelata 53:120
Marsupellaceae 53:120
Martiusia laurifolia 67:334; rubiginosa 67:334
Martynia 69:443; annua 69:443
Martyniaceae 69:443
Mastichodendron 69:434; foetidissimum 67:345; 69:434
Mastigocoleus testarum 75:293
Mastigostyla 64:291-292; brevicaulis 64:292-295; cabrerae 64:292-293; cardenasii 64:293, 297-298; cyrtophylla 64:292-293, 295-296, 298; **gracilis** 64:293, 296-297; hoppii 64:292, 295-296, 298; joergensenii 64:293, 297; johnstonii 64:292, 294; peruviana 64:293, 297-298; **potosina** 64:292, 294
Matayba apetala 67:339; oppositifolia 67:338
Matelea 69:436; **constanzana** 62:238; **crispiflora** 62:238; maritima 67:346; sintenisii 67:347; tuerckheimii 62:238; variifolia 67:346
Matelia carolinensis 70:37; maritima 69:436
Matricaria chamomilla 60:127; 72:527; inodora 55:199; 67:320; maritima 55:238; 58:247; var. agrestis 55:199; 75:321; var. maritima 72:527; matricarioides 55:199; 64:346; 65:95; 71:523; 72:527; 75:321; suaveolens 55:199
Matteuccia 52:246-247; pensylvanica 52:247; struthiopteris 52:246
Matthiola incana 55:321
Mattuschkia aquatica 64:88
Maxillaria coccinea 67:327; conferta 67:327; pachyacron 59:287; reichenheimiana 59:287-288; rufescens 58:291
Maximiliania vitifolia 67:341
Mayaca aubletii 66:380; fluviatilis 66:379
Mayepea axilliflora 67:345; caribaea 67:345; domingensis 67:345
Mayna amazonica 65:14, 16; **muricida** 65:14, 15 (fig. 9), 16; **toxica** 65:16, 17 (fig. 10)
Maytenus buxifolia 75:418; phyllanthoides 57:286; 75:418
Mazus japonicus 64:229-231; 72:273; reptans 64:229-230; rugosus 64:230
Mecardonia 64:147; acuminata 64:154; dianthera 67:351; procumbens 67:351
Medeola 51:53; virginiana 51:304; 53:81, 84; 55:11; 58:40; 67:372; 72:493, 514; 73:428
Medicago 58:1; 68:365; apiculata 58:5, 11, 310; var. confinis 58:11; arabica 58:2-3, 6-7; 59:240; ciliaris 58:2, 6, 9; cordata 58:2; denticulata 58:2-3, 5, 11; var. brevispina 58:11; var. ciliaris 58:9, 310; var. lappacea 58:8; var. macracantha 58:8; var. vulgaris 58:11, 310; falcata 58:1; hirsuta 58:4; hispida 53:22; 58:2-8, 11, 310; subsp. microcarpa 58:10; var. apiculata 58:11; var. pentacycla 58:6-8; f. longeaculeata 58:7; var. polygyra 58:9; f. aculeata 58:9; f. inermis 58:9; var. tricycla 58:9; f. longispina 58:9; f. microdon 58:9; laciniata 51:8; 58:3; lappacea 58:8; var. macracantha 58:8; var. pentacycla 58:8; var. tricycla 58:8; lupulina 58:1; 72:520; var. glandulosa 58:2; maculata 58:2; microdon 58:9; minima 58:1, 3-4, 6-7; 75:391; f. mollissima 58:4; f. pubescens 58:4; f. viscida 58:4; var. brachyodon 58:4; var. compacta 58:4; var. longiseta 58:4; var. pubescens 58:4; var. pulchella 58:4; var. viscida 58:4; var. vulgaris 58:4; nigra 58:8; obscura var. microdon 58:9; orbicularis 58:4; 62:239, 241; 75:391; orbiculata 58:5; pentacycla 58:8; polycarpa 58:5; var. tuberculata 58:11, 380; polymorpha 58:2-8; var. arabica 58:2; var. **ciliaris** 58:2, 6-10, 310; f. **apiculata** 58:11; f. ciliaris 58:11; f. **tuberculata** 58:11-12; var. coronata 58:6; var. hirsuta 58:4; var. laciniata 58:3; var. minima 58:3-4; var. nigra 58:6-8; var. orbicularis 58:5; var. **polygyra** 58:8-9, 11-12; var. polymorpha 58:8; var. **tricycla** 58:8; var. vulgaris 58:310; f. **apiculata** 58:310; f. **tuberculata** 58:310; praecox 58:12; reticulata 58:9, 11-12; sardoa 58:9, 11-12; sativa 58:1; sphaerocarpa 53:22; tuberculata 58:12; virginica 68:393
Meehania cordata 70:431
Meesia longiseta 62:158
Meesiaceae 62:147, 158
Megalodonta beckii 55:47, 198; 57:

309; 58:77; 60:322; 61:276, 283 (fig. 8, map), 288; 73:261
Megapterium oklahomense 70:43
Meibomia adscendens 67:334; affinis 67:334; axillaris 67:334; 69:413; barbata 67:334; cubensis 67:334; cuspidata 52:138; floridana 52:146; grandiflora 52:138; var. chandonnetti 52:138; laevigata 52:149; var. monophylla 52:149; longifolia 52: 138; mollis 66:12; 67:334; 69:413; nuttallii 52:139, 143; paniculata 52:151-152; var. obtusa 52:154; procumbens 67:334; 69:413; purpurea 67:334; 69:413; rhombifolia 52:146, 148; scorpiurus 67:334; 69:413; sintenisii 67:334; supina 67:334; 69:413; umbrosa 67:334; viridiflora 52:140-141; wydleriana 67:334
Melampodium 72:107-108; 74:1, 161; sect. Acanthospermum 74:3, 203; sect. Alcina 74:3, 7, 194; sect. **Bibractiaria** 74:7, 186; sect. Eumelampodium 74:3-4, 20; sect. Lecocarpus 74:3; sect. Melampodium 74:4-6, 20; ser. **Cupulata** 74:7, 59; ser. **Leucantha** 74:6, 34; ser. **Longipila** 74.6, 68; ser. Melampodium 74:6, 20; ser. **Sericea** 74:6, 46; sect. **Rhizomaria** 74:7, 189; sect. **Serratura** 74:7, 175; sect. Zarabellia 74:3-7, 161; subgen. Alciniae 74:2; subgen. Dysodia 74:3; subgen. Dyssodia 74:2; subgen. Melampodium 74:2, 4; subgen. Unxia 74:3; achillaeoides 74: 203; americanum 74:2, 6, 9, 12, 15-16, 20-22, 23 (fig. 11, map); angulatum 74:202; angustifolium 74:21, 206; anomalum 74:203; appendiculatum 74:7, 18, 56 (fig. 19, map). 61, 210; var. leiocarpum 74: 61; var. sonorense 74:61; arenicola 74:64-65; argophyllum 74:6, 9, 13, 35, 40 (fig. 16, map), 41, 45-46, 210; arvense 74:188; aureum 74:7, 9, 12, 17, 191 (fig. 26, map), 193, 211; australe 74:203; baranquillae 74:203; berterianum 74:176; bibracteatum 74:7, 14, 59 (fig. 20, map), 187, 210; bonairense 74:203; brachyglossum 74:170; camphoratum 74:4, 204; canescens 74:31-32; cinereum 74:6, 9, 35, 39, 41, 44, 46, 172, 210; var. cinereum 74:6, 14, 30, 40 (fig. 16, map), 210; var. hirtellum 74:6, 14, 40 (fig. 16, map), 42, 210; var. ramosissimum 74:6, 14, 40 (fig. 16, map), 43, 210; connatum 74:195; copiosum 74:176; cornutum 74:184-185; coronopifolium 74:51, 53; costaricense 74:7, 18, 181, 183 (fig. 25, map), 210; cupulatum 74:7, 17, 20, 56 (fig. 19, map), 59-60, 64-65, 210; dichotomum 74:202; dicoelocarpum 74:4, 7, 10, 18, 30 (fig. 13, map), 172, 182, 184, 210; diffusum 74:6, 8, 15, 25, 27 (fig. 12, map), 210; digynum 74:204; var. lanceolatum 74:26; divaricatum 74:5 (figs. 3-4), 7-8, 10, 12, 18, 64, 69, 172 (fig. 23, map), 175, 178 (fig. 24, map), 195, 202, 210; var. macranthum 74:176; diversifolium 74:202; dombeyanum 74:204; durandi 74:204; flaccidum 74:176; geminatum 74:204; glabribracteatum 74:7, 16, 23 (fig. 11, map), 67, 210; glabrum 74:7, 11 (fig. 6), 19, 30 (fig. 13, map), 199-201, 211; gracile 74:7, 14, 20, 164, 165 (fig. 21, map), 166, 168, 210; var. oblongifolium 74:164; heterophyllum 74:21; hidalgoa 74:204; hirsutum 74:205; hispidum 74:20, 47, 53; humile 74:205; kunthianum 74:22; lanceolatum 74:25, 167; laxum 74:169; leucanthum 74:5, 6 (figs. 1-2), 9, 11 (fig. 9), 13, 34-35, 36 (fig. 15, map), 40 (fig. 16, map), 41, 46, 172, 210; var. argophyllum 74:45; liebmanii 74:190; linearilobum 74:6, 11 (fig. 10), 15, 21, 31-32, 33 (fig. 14, map), 202, 210; longicorne 74:6, 19-20, 54, 56 (fig. 19, map), 210; longifolium 72:108; 74:7, 11 (fig. 7), 12, 19, 27 (fig. 12, map), 161, 210; longipes 74:6, 16, 29, 30 (fig. 13, map), 31-32, 202, 210; longipilum 74:7, 11 (fig. 8), 18, 20, 27 (fig. 12, map), 68-69, 185, 210; manillense 74:25; microcarpum 74:164; microcephalum 74:7, 15, 20, 165 (fig. 21, map), 166-168, 210; mimulifolium 74:7, 20, 27 (fig. 12, map), 163-164, 210; minimum 74:205; minutiflorum 74:205; montanum 63:128; 74:4, 7, 9, 12, 189-190, 193, 202, 211; var. montanum 74:7, 17, 190, 191 (fig. 26, map), 211; var. **viridulum** 74:7, 17, 191 (fig. 26, map), 211; nayaritense 74:6, 15, 58, 59 (fig. 20, map), 210; nelsonii 74:22; nutans 74:7, 15, 30 (fig. 13, map), 200-201, 211; oblongifolium 74:164; ovatifolium 74:176; paludicola 74: 205; paludosum 74:176; panamense 74:177; paniculatum 72:98; 74:7, 14, 166, 168-170, 171 (fig. 22, map), 172 (fig. 23, map), 210; parvulum 74:162; perfoliatum 74:3, 7-8, 12, 18, 194-195, 196 (fig. 27, map), 197, 200-202, 210; pinnatum 74:202;

pringlei 74:6, 16, 20, 23 (fig. 11, map), 50-51, 210; pumilum 74:176; ramosissimum 74:39, 43; repens 74:7, 14, 59 (fig. 20, map), 188, 211; rhomboideum 74:162; rhombifolium 74:177, 202; rosei 74:7, 18, 59 (fig. 20, map), 64-65, 67, 210; var. subintegrum 64:64; ruderale 74:205; sericeum 74:6, 16, 20-22, 46-47, 48 (fig. 17, map), 51, 53, 210; var. brevipes 74:47; var. exappendiculatum 74:47; var. longipes 74:29; sinaloense 74:7, 19, 52 (fig. 18, map), 186, 211; sinuatum 74:7, 9, 17, 20, 56 (fig. 19, map), 59, 63-64, 210; **strigosum** 74:6, 19, 51, 52 (fig. 18, map), 55-56, 210; suffruticosum 74:206; tenellum 74:7, 17, 59 (fig. 20, map), 66-67, 69, 210; var. flaccidum 74:176; tepicense 74:7, 19, 52 (fig. 18, map), 175, 184-185, 211; ternatum 74:204; villicaule 74:68

Melampyrum 71:441; americanum 55: 295; arvense 64:15; barbatum 64: 15; lineare 55:46; 64:15-18, 19 (pl. 1265), 20-22, 335; var. americanum 55:190; 72:525; var. lineare 55:189; 72:525; nemorosum 64:15; subsp. pectinatum 64:21; pratense 64:15-17, 20-21; silvaticum 64:15

Melananthera 75:172, 181; deltoidea 75:172, 192; hastata 75:171-172, 184, 188; var. lobata 75:184; var. pandurata 75:184; linnaei 75:192

Melanconium putredinis 61:103

Melandrium 52:234; affine 71:505; apetalum 52:235, 238; subsp. arcticum 65:216; drummondii 52:242; flos-cuculi 52:243; furcatum 55:20; subsp. angustiflorum 52:238; macrospermum 52:235-239; ostenfeldii 52:241; pauciflorum 52:238; soczavianum 52:236-239; taylorae var. glabrum 52:241; taimyrense 52:241; vespertinum 52:242

Melanidion 54:86-88, 92, 110; boreale 54:86-88, 112

Melanoleuca davisiae 64:132

Melanomma porothelia 65:301, 303; spiniferum 65:300-301

Melanopsamma pomiformis 65:304-305

Melanospora barbata 64:135; sphaerophila 64:135

Melanthera 69:449; 75:169-174, 176-177, 179-181, 187 (fig. 3, map), 190, 205; amethystina 75:192; angustifolia 75:172, 174, 176-177, 178 (fig. 1), 179, 181, 183, 187 (fig. 3, map), 197 (fig. 6), 198-199, 202, 206; var. subhastata 75:198; aspera 75:169-172, 177, 180-181, 188, 190, 192, 206; var. aspera 75:174, 176-177, 182-184, 187 (fig. 3, map), 188, 191 (fig. 4), 192-193; var. **glabriuscula** 75:171, 173-174, 176-177, 181-182, 184, 187 (fig. 3, map), 194, 195 (fig. 5), 207; brevifolia 75:194; buchii 75:192; calcicola 67:355; 75:194; canescens 67:355; 75:192; carpenteri 75:184; confusa 67:355; 69:449; 75:194; corymbosa 75:192; crenata 75:194; deltoidea 57:278, 289; fruticosa 75:206; hastata 75: 193; subsp. lobata 75:186; var. cubensis 75:192; var. parvifolia 75: 200; hastifolia 75:206; lanceolata 75:198-199; ligulata 75:172, 174, 176-177, 180, 183, 187 (fig. 3, map), 199, 203, 204 (fig. 8), 205; linearis 75:177, 198; lobata 75:184; microphylla 75:198; molliuscula 75: 192; montana 67:355; 75:193; nivea 67:355; 69:449; 75:170-174, 176-177, 180, 183-184, 185 (fig. 2), 186, 187 (fig. 3, map), 188, 199, 205-207; oxycarpha 75:184; oxylepis 75:184, 188; panduriformis 75:171, 184; parviceps 75:206-207; parvifolia 75: 172, 174, 176-177, 178 (fig. 1), 179-180, 182, 187 (fig. 3, map), 199-200, 201 (fig. 7); purpurascens 75: 198-199; radiata 75:179, 200; trilobata 75:184; urticifolia 75:192

Melanthium hybridum 53:81, 88; virginicum 66:380; 71:32

Melastoma malabathricum 69:173, 176

Melastomataceae 65:18; 67:342; 69: 163, 165, 174, 429; 71:33

Melia 69:417; azedarach 69:417

Meliaceae 69:417; 75:417

Melica 68:102, 233; adhaerens 68:233; var. tenuis 68:233; mandonii 68:233; mutica 51:125, 127; nitens 60:11; 75:371; scabra 68:233; var. glabra 68:233; striata 55:118; triflora 68: 450; violacea 68:233

Melicocca bijugata 66:13; 67:338; 69: 422

Melicoccus 69:422; bijugatus 66:13; 67:338; 69:422

Melilotus alba 55:170; 75:416; officinalis 55:170; 70:451

Melinis minutiflora 67:320

Meliosma 69:422; herberti 69:422

Melissa 57:77

Melobesia lejolisii 72:201, 211, 232, 238; 74:424

Melocactus 69:428; intortus 67:341; 69:428

Melochia 69:426; nodiflora 69:387, 426; pyramidata 67:340; 69:426;

tomentosa 67:340; 69:426; villosa 67:340
Melosira 71:471; ambigua 71:467; distans 71:467; italica 64:55; 71: 467; subsp. subarctica 71:468; var. tenuissima 71:448, 449 (figs. 8-9), 468; juergensii 64:55; 74:480; sculpta 63:280; sp. 75:59; varians 63:280
Melothria 69:447; 72:37; crassifolia 72:38; guadalupensis 69:447; microcarpa 72:35; nashii 72:38; pendula 57:278, 288; 71:175; 72:37; var. aspera 72:37-38; var. crassifolia 72: 37-38; var. microcarpa 72:38; var. pendula 72:37-38
Membranoptera alata 66:226, 238, 241, 242 (fig. 3), 244-245, 249; 71: 137; 72:117, 200-201, 224, 231-232, 238, 324, 334; 74:424; denticulata 71:137; 72:224
Memecylon 69:174
Mendezia bicolor 74:515
Meniscium falcatum 69:6; giganteum 69:6; longifolium 69:7
Menispermaceae 62:111; 64:150; 69: 405
Menispermum canadense 56:25; 62: 111, 115, 200
Menodora scabra 64:152, 157 (fig. 32)
Mentha alopecuroides 60:43; aquatica 72:546; arvensis f. lanata 69:33; var. arvensis 71:307; 72:524; 73: 260; var. villosa 55:188; 70:210; 71: 307; 72:524; 73:260 canadensis 55: 188; cardiaca 72:524; piperita 51: 390; 72:524; spicata 51:390; 73: 260
Mentzelia albescens 63:118-119, 147; aurea 61:57; cordata 61:240; decapetala 61:57; 70:31; floridana 57: 287; laevicaulis 61:57; lobata 61: 237; micrantha 61:57; multiflora 51:20; 61:57; nuda 61:57; 70:32; oligosperma 56:208; 70:41; ornata 61:57; pumila 61:57; urens 61:236; wrightii 61:57; 63:118
Menyanthaceae 67:346
Menyanthes trifoliata 58:322; 63:44; var. minor 51:117; 55:186; 65:94; 75:320
Merathrepta pinetorum 55:123
Meridion circulare 63:280; var. constrictum 71:468; intermedium 63: 280
Meridionaceae 63:280
Meringosphaera **nemiahi** 58:161; sol 58:161
Merismopedia 75:60; glauca 63:280; 75:284; punctata 64:55; 71:450; tenuissima 63:280; 71:450; thermalis 58:118
Merremia 69:437; aegyptia 67:347; 69:437; dissecta 67:347; 69:437; quinquefolia 67:347; 69:437; tridentata subsp. angustifolia 67:347; tuberosa 67:348; 75:420; umbellata 67:347; 69:437
Mertensia fendleri 74:83; maritima 54:40, 203; 65:94; 71:516, 522; 72: 524, 530; 75:320; paniculata 55:45, 187; 60:226, 248-249, 251; virginica f. **rosea** 62:131
Mesadenia diversifolia 75:409
Mesadenus lucayanus 67:325
Mesembryanthemum 52:223
Mesocarpus 64:58
Mesosetum 68:107, 297; cayennense 68:297
Mesotaenium 64:58; macrococcum 58: 120; rubescens 58:120
Mesoteniaceae 63:278
Metastelma aemulans 62:237; anegadense 67:346; astephanoides 62:238; crassiuscula 62:237; decaisneanum 67:346; 69:435; decipiens 67:346; domingense 62:237; ekmanii 62: 237; ephedroides 67:346; glabrius 62:237; gracile 62:238; graminifolium 75:420; grisebachianum 67: 346; inaguense 66:13; leptocladum 62:238; lineare 67:346; monense 67:345; parviflorum 67:346; 69: 435; picardae 62:238; stenoglossum 62:238; tylophoroides 62:238
Metopium linnaei 67:338; 69:374; toxiferum 67:338; 69:374; 72:23; 73: 119, 121, 126 (fig. 4), 128 (fig. 6), 130 (fig. 8)
Metzgeria conjugata 59:258; crassipilis 59:257-258; fruticulosa 59: 256, 258; furcata 53:121; 59:258; var. ulvula 59:257; hamata 59:254, 258; myriopoda 59:258
Metzgeriaceae 53:121
Meyenia erecta 69:444
Micarea ligniaria f. gomphillacea 56: 125
Micheliella verticillata 66:275-276
Miconia 69:175, 429; 75:142, 144, 323; affinis 67:342; astrotricha 65:19; filamentosa 65:19; fissa 65:19; fothergilla 69:429; laevigata 69: 429; marginata 65:19-20; microcarpa 67:342; mirabilis 67:342; 69: 429; ottoschulzii 67:342; prasina 69:429; robinsoniana 75:144; serrulata 67:342; thomasiana 69:429
Micranthemum orbiculatum 64:89; umbrosum 64:89; 67:351
Micrasterias americana 63:279; 64:55; apiculata 64:55; var. fimbriata f. spinulosa 64:55; laticeps 63:279; mahabuleswarensis 63:279; nord-

stedtiana 73:56, 57 (fig. 1); pinnatifida 63:279; 69:57; f. rhomboidea 69:56 (fig. 6), 58; radiata 63:279; 64:55; 71:456; radiosa 71:456; rotata 64:55; 69:58; sol 63:279; truncata 63:279; 64:55
Microchaetaceae 75:292
Microchloa 68:98, 283; indica 68:283
Microcoleus chthonoplastes 73:238, 268; 75:286; lyngbyaceus 73:238-243; 75:287; rupicola 58:120; tenerrimus 71:116; 73:268; 74:484; 75:287; vaginatus 73:238; 75:287
Microcystis aeruginosa 63:280; incerta 63:280
Microlepidozia setacea 59:255; 60:220; sylvatica 59:253-254
Microlonchus salmaticus 74:339
Micromeria bahamensis 75:421; brownei 75:421
Micromyces 52:252
Micropholis chrysophylloides 67:344; curvatus 67:344
Microseris cuspidata 70:50
Microsperma grandiflora 61:241; lobata 61:231, 237; rudis 61:231, 237
Microspermum debile 64:272, 273 (fig. 3), 276
Microspora 63:276; amoena 58:120; 73:64-65, 67; pachyderma 73:66; quadrata 73:66; stagnorum 67:251; 73:66; tumidula 63:276; willeana 64:55
Microsporaceae 63:276; 67:251
Microstylis unifolia 55:82, 141
Microthamnion kuetzingianum 64:55
Microthyriaceae 71:197
Microthyrium epimyces 71:195
Mikania 69:449; 70:231; 72:4; batatifolia 57:278, 289; campanulata 70:236; capricorni 70:236; conferta 70:237; congesta 67:355; cordifolia 69:449; gonzalesii 64:252, 263; micrantha var. congesta 67:355; pachylepis 70:237; pubescens 55:313; scandens 59:264; 64:252; 73:49
Milium effusum 52:218-220; 57:302, 305; f. lerchenfeldianum 52:221; var. **cisatlanticum** 52:218
Millettia 51:222
Mimosa 69:409; 70:126, 128, 287, 492; 72:534; acacioides 70:125-128; borealis 56:208-209; 62:95; ceratonia 69:409; horridula 59:117; intsia 59:116; peregrina 70:331; pigra 67:332; pudica 69:409
Mimosaceae 69:395, 408; 70:493
Mimulus 75:225, 231-232; alatus f. albiflorus 55:160; 74:386; geyeri 60:43; glabratus var. fremontii 62:94; var. oklahomensis 62:94; guttatus 60:58; 63:45; 75:225, 226 (fig. 1), 227-229, 230 (fig. 2), 231-237; luteus var. cupreus 60:86; nasutus 75:225, 226 (fig. 1), 227-229, 230 (fig. 2), 231-237; ringens 51:119; 55:189
Minuartia arctica 65:216; 71:505; elegans 65:216; macrocarpa 55:247-249; obtusiloba 71:505; rolfii 60:44-46; rossii 60:45
Mirabilis 69:404; albida 63:43, 330, 332; var. lata 63:330; dumetorum 56:25; gigantea 54:127; hirsuta 60:301, 305; 63:43; 70:33; jalapa 60:14, 301, 305; 69:404; linearis 60:301, 305; 63:43; 70:33; longiflora 75:235; nyctaginea 60:301, 305; 69:32; 70:32; 75:161
Misantheca triandra 67:330
Miscanthus 65:146; floridulus 58:135; japonicus 58:135; sacchariflorus 59:31; 61:248; 65:146-147, 148 (fig. 1); sinensis 59:28; 61:248
Mitchella repens 55:192; 67:377; 72:281, 525; 73:507, 509; 74:437
Mitella diphylla 57:265; 63:50, 53; nuda 55:46, 164; 58:310; 63:50, 52; 65:91; 67:92; 70:210; prostrata 63:50, 53-54
Mitracarpus hirtus 67:354; villosus 67:354
Mitreola sessilifolia β angustifolia 72:28
Mitropsidium sintenisii 69:375
Mitrula phalloides 60:207
Mniaceae 53:124; 62:147, 157
Mnium 72:276-277; affine 53:124; 62:157; cinclidioides 53:120, 124; 62:157; cuspidatum 53:124; 62:157; hornum 53:124; 58:249; 62:157; longirostrum 62:170; marginatum 62:158; orthorhynchum 59:26; 62:157; punctatum 58:249; 62:157; var. elatum 53:124; 62:157; 64:124; serratum 62:158; spinulosum 62:158; stellare 62:158
Modiola caroliniana 52:170
Moehringia 52:286; lateriflora 53:157
Molineria hortensis 69:373
Molinia caerulea 61:31; 72:7, 510, 531
Mollugo 69:404; 75:145; verticillata 55:147; 60:66, 301, 304; 63:226; 69:404
Moluchia 75:145; pyramidata 67:340; 69:426; tomentosa 67:340; 69:426
Momisia iguanaea 67:327; 69:400
Momordica 69:447; charantia 69:447
Monanthochloë littoralis 75:413
Monarda 72:502; clinopodia 75:402; didyma 72:492; fistulosa 57:320; 61:304; var. menthaefolia 69:453; var. menthifolia 69:453; var. mollis

59:40; 61:302-303, 304 (fig. 1); 72: 502-503; ×media 61:303; var. rubra 61:304; media 61:302-303, 304 (fig. 1), 305; 71:172; ×**medioides** 61:303, 304 (fig. 1); menthaefolia 69:453; menthifolia 69:453; punctata subsp. intermedia 52:38; var. **intermedia** 52:38; **stipitatoglandulosa** 72:503
Moneses grandiflora 51:111; uniflora 51:111; 55:46, 179; 62:261; 65:93; 67:196; 71:171; 72:523; 75:319
Monniera caroliniana 61:62
Monochaetum 69:175
Monochoria 75:428-429; hastata 75: 431
Monodictys bogoriensis 61:96; nitens 61:101; paradoxa 61:101; putredinis 61:103
Monolepis nuttalliana 60:300, 305
Monolopia 58:164
Monostroma 66:219 (pl. 1298); 75: 63; fuscum 72:318, 331; 74:414; f. blyttii 71:119; 72:116; 74:414; grevillei 71:119; 72:116, 318, 331; 74:414; leptodermum 72:116, 318, 321, 331; 74:414; 75:262; oxyspermum 66:233; 71:119, 527; 74:411, 414, 427-428, 482, 485-487; 75:58, 60, 262; pulchrum 66:233; 71:119; 72:116, 318, 332; 74:297, 414; sp. 75:262
Monostromaceae 75:262
Monotropa hypopithys 55:181; 58: 247; 62:261; 65:93; 72:523; 73:302; 75:320; uniflora 55:47, 181; 65:93; 70:485; 75:319
Monotropsis lehmaniae 59:259-262; 72:55; odorata 59:259-262; 72:55; 67:394, 396 (fig. 9, map); var. lehmaniae 72:54-55; var. odorata 72:55; reynoldsiae 59:261
Monstera acuminata 62:256; deliciosa 62:254-256; friedrichsthalii 62:256
Montanoa affinis 74:510-511; gracilis 74:510-511; karvinskii 74:510-511; olivae 74:510-511; subtruncata 74: 510-511
Montezuma grandiflora 69:375; speciosissima 69:375
Montia fontana 56:98; lamprosperma 53:1; 56:247; 57:303, 307; 62:108, 113; 66:413, 415-416; 72:517, 530; perfoliata 62:108, 116; sibirica 62: 108, 116
Moraceae 58:129; 67:327; 69:401; 70: 333
Morinda 69:445; citrifolia 69:445; 75: 421
Moringa 69:408; moringa 67:331; 69: 408; oleifera 67:331; 69:408; pterygosperma 69:408
Moringaceae 67:331; 69:408
Morisonia 69:407; americana 69:393, 407
Morongia portoricensis 67:332
Moronobaea spp. 70:122
Morus alba 58:192; rubra 58:129, 133-134
Mosla dianthera 75:401
Mougeotia 73:67; capucina 64:55; floridana 64:55; genuflexa 64:55; laetevirens 58:120; 64:55; parvula 64:55; reinschii 64:55; robusta 64: 55; scalaris 63:278; 64:55; sp. 63: 278; 71:456
Mougeotiopsis calospora 64:55
Mouriri 69:174-175; guianensis 69: 173
Mucor sp. 73:308
Mucuna pruriens 67:335
Muhlenbergia 68:99, 263; 72:534; angustata 68:263, 265; arenacea 56: 212; arenicola 51:21; 56:209; asperifolia 57:267; 68:264-265; brachyphylla 51:127; capillaris 57:283; curtisetosa 63:25; cuspidata 55:363; 63:137; expansa 71:31; fastigiata 68:264-265; frondosa 60:67; 75: 372; f. commutata 55:289; 59:233; glabriflora 51:127; 75:371; glomerata 53:266; 58:278; 59:233; var. cinnoides 53:14, 266; herzogiana 68:264; holwayorum 68:264, 266; ligularia 68:264-265; mexicana 56: 245; 57:302, 304; 60:67; f. ambigua 57:311; 63:135; peruviana 68:263-264; phragmitoides 68:266; porteri 52:21, 174; 56:209; quitensis 68: 264; racemosa 51:127; 53:267; rigida 68:264, 266; schreberi 60:67; 63:25; curtisetosa 63:25; var. **curtisetosa** 63:25; sobolifera 63: 137; 70:452; var. setigera 68:518; sylvatica 72:79; tenuiflora 63:137; tenuissima 68:263-264; torreyi 51: 19; 52:19; 56:207; uniflora 72:511
Mundulea 51:222
Munroa 68:100, 288; andina 68:288; var. breviseta 68:288; argentina 68:288; decumbens 68:288; squarrosa 51:19
Murdannia nudiflora 70:573; spirata 70:571, 572 (pl. 1403), 573
Murraya 69:417; exotica 67:336; 69: 417
Musa 70:413; sapientum 70:416
Musaceae 67:324; 70:412, 416
Muscari ambrosiaceum 68:458; atlanticum 68:457-458; botryoides 53:81, 88; moschatum 68:457-458; muscari 68:458; muscarimi 68:458; racemosum 53:81, 88; 68:457-458

Musineon divaricatum var. hookeri 70:49
Mussaënda luteola 69:446
Mycena atkinsoniana 68:182; citrinomarginata 71:186 (pl. 1410), 187; urania 64:131
Mycosphaerella crepidophora 68:188; ebulina 68:188; **linnaeae** 68:187-188, 189 (figs. 5-7); minor 68:188
Mylia anomala 67:372; cuneifolia 59:253
Mylocarium 56:246
Myoporaceae 66:14; 69:444
Myosotis alpestris subsp. asiatica 65:220; arvensis 72:524; macrosperma 52:171; scorpioides 57:315; 72:15; stricta 51:108-111; sylvatica 62:241; 71:172; 72:524; verna 52:171; versicolor 60:22
Myosotodon aquaticum 73:19
Myosoton aquaticum 62:109, 115
Myosurus aristatus 63:43; minimus 51:31; 63:146
Myrcia 69:431; berberis 67:343; cardiophylla 60:325; citrifolia 67:342; 69:430; fallax 67:343; leptoclada 67:343; **skeldingi** 60:325; splendens 69:431; uberavensis 60:325
Myrcianthes 69:431; dicrana 72:23; fragrans 67:343; 69:431; 72:22-23; var. fragrans 72:23; var. **simpsonii** 72:23; simpsonii 72:23
Myrciaria 69:431; floribunda 67:343; 69:387, 431
Myriandra brachyphylla 54:207; brathydis 54:207; galioides 54:207; michauxii 54:207; prolificum 54:206; spathulata 54:206
Myrica asplenifolia 55:143; 69:453; aspleniifolia 69:453; cerifera 51:110; 57:279, 285; 66:159; 71:32; 73:491; gale 55:43, 47, 143; 57:113; 58:127, 130, 247; 61:31; 65:273; 66:145; 72:426; 73:105, 257; 75:316; var. gale 65:90; var. subglabra 58:127, 130; 72:515; holdridgeana 67:327; inodora 71:32; pensylvanica 51:110; 53:3; 58:127, 132; 67:377; 70:443; 71:19-20, 24, 32; 72:515; 73:206; f. **parvifolia** 70:453; f. pensylvanica 70:453
Myricaceae 52:293; 55:143; 58:127; 67:327; 71:32, 514; 75:316
Myrionema aecidioides 73:278; strangulans 71:125; 72:117, 321, 337; 75:269
Myrionemataceae 71:125; 75:269
Myriophyllum 56:313; alterniflorum 55:177; 63:140-141; 73:259; 74:139; var. americanum 55:48, 176; brasiliense 53:26; 57:315; exalbescens 53:20; 54:203; 55:177; 56:213-216, 218-220, 221 (fig. 1, map), 222-224; 59:292; 63:140-143; 70:171, 203; 74:150; 75:395; var. **magdalenense** 63:143; farwellii 53:50; 73:259; heterophyllum 56:216, 219; 68:425; 74:139; 75:115; humile 53:27; 73:259; 74:136; laxum 56:215; magdalenense 56:215; 63:143; magdalense 56:215; 63:143; pinnatum 75:115; spicatum 56:213-216, 218-220, 221 (fig. 1, map), 222-224; 63:139, 144; subsp. exalbescens 56:224; var. capillaceum 56:222-223; var. exalbescens 56:220, 222; 74:132; tenellum 51:111; 57:308; 60:34; 63:140; 67:196, 376; 73:259; verticillatum 53:93; 56:219, 223; 63:44, 140; 68:425; var. intermedium 56:215; var. pectinatum 53:20; 56:216; 67:196; 74:137
Myriotrichia filiformis 71:127; subcorymbosa 75:269
Myriotrichiaceae 75:269
Myristica sebifera 70:152; theiodora 70:150, 152
Myristicaceae 70:129, 147
Myrospermum 70:498, 505; sect. Calusia 70:505; sect. Myroxylon 70:502; emarginatum 70:505; frutescens 70:501 (fig. 1, map), 505; pereirae 70:504; sonsonatense 70:504; toluiferum 70:503
Myroxylon 70:492-493, 498, 502, 506; balsamum 70:502; var. balsamum 70:502; var. pereirae 70:501 (fig. 1, map), 503; buxifolium 67:341; pachyphyllum 67:341; pereirae 70:504; peruiferum 70:502; schwaneckeanum 67:341; sonsonatense 70:504; toluifera 70:503; toluiferum 70:503
Myrsinaceae 65:20; 67:344; 69:433
Myrsine 69:433; guianensis 69:433
Myrtaceae 60:323; 67:342; 69:395, 430-431; 72:22
Myrtus bellonis 69:375
Mytilus 72:199; edulis 72:208
Myurella careyana 51:123; 62:161; var. **tenella** 54:156; julacea 61:22; 62:161; sibirica 62:161

Nageia coriacea 67:356
Naiadaceae 68:216
Naias (see Najas)
Najadaceae 55:117; 75:412
Najas flexilis 51:111; 52:52, 286; 54:224; 55:48, 117; 57:303; 61:276-277, 283 (fig. 1, map); 68:217-219; 70:167, 170-171, 203; 73:255; 74:133; gracillima 51:109; 53:24; 55:15, 117; 68:217-219; 70:161-162, 163 (fig. 2), 164 (fig. 4), 165 (figs.

9-13), 166 (figs. 17, 20-21, 26-27); graminea 70:161; guadalupensis 57: 283; 63:251; 68:217-219; indica var. gracillima 51:109; marina 68:221; 70:167-168, 170-171; 75:412; minor 68:217-220; 70:161-162, 163 (fig. 1), 164 (fig. 4), 165 (figs. 5-8), 166 (figs. 14-16, 18-19, 22-25), 167, 168 (map), 169 (fig. 3, map), 170-171; tenuissima 70:171-172
Nama jamaicense 66:13; 67:348; parviflorum 62:216
Narcissus poeticus 53:82, 88; pseudonarcissus 53:82, 88
Nardia geoscyphus 59:253; lescurii 59:253-256; obscura 59:26
Nardosmia corymbosa 70:534; frigida 70:534; var. corymbosa 70:534; var. palmata 70:534; glacialis 53:228; gmelini 53:228; palmata 70:534; sagittata 70:534
Nardus stricta 56:103; 67:377
Narenga porphyrocoma 58:136, 141
Narukila 75:427; cordata 75:454; var. lancifolia 75:454, 462
Nashia inaguensis 66:8, 14
Nassella 68:98, 269; asplundii 68:269; corniculata 68:270; deltoidea 68: 269; flaccidula 68:269; var. humilior 68:269; meyeniana 68:269-270; pubiflora 68:269
Nasturtium arabiforme 62:16; brevipes 63:9; curvisiliqua 63:3; gambelii 62:13, 15, 19; mexicanum 62: 12, 16, 18; microphyllum 62:15; 64:32, 35, 41; microtites 59:71; montanum 71:552; officinale 63:49, 54; 64:32-33, 38; 69:373; 72:13; var. micropyllum 62:15; 63:49, 54; 64: 32, 38; var. siifolium 63:49, 55; palustre var. brevipes 63:9; portoricensis 63:9; sinuatum 63:2; tanacetifolium 63:6, 9; var. insularum 63:9; trachycarpum 63:1-2; uniseriatum 64:32, 34, 41
Naucoria kauffmanii 68:183
Navarretia propinqua 63:44
Navicula anglica 64:55; diaphala 63: 280; sp. 63:280
Naviculaceae 63:280
Nazia aliena 67:318
Neckera complanata 62:160; pennata 62:160
Neckeraceae 62:147, 160
Nectandra 69:406; coriacea 69:406
Nectria atrofusca 65:302 (figs. 6-9), 303-305; fulvida 65:307-308; ochroleuca 65:305; pallidula 65:305
Neltuma juliflora 69:409
Nelumbo lutea 60:116; 62:109, 115; nucifera 51:207; 53:26
Nemalion helminthoides 72:200, 207, 238; 74:424; multifidum 72:208; 75: 273
Nemalionales 71:131, 527; 72:205
Nemastomataceae 71:135
Nemexia 70:53, 56, 58, 247; biltmoreana 70:58, 269; cerulea 70:249; ecirrhata 70:265; herbacea 70:249; var. melica 70:253; hugeri 70:58, 267; lasioneuron 70:253; nigra 70: 249; tamnifolia 70:260; tenuis 70: 253
Nemochloa millegrana 67:124
Nemopanthes canadensis 53:234
Nemopanthus 72:426; mucronata 63: 66, 68, 284; 65:23, 92; 67:373, 402; 72:281, 521
Nemophila microcalyx 72:399-400; **triloba** 72:400
Neocracca heterantha 51:382; kuntzei 51:382
Neomammillaria nivosa 67:342; 69: 428
Neomarica bulbosa 64:308; martii 64: 309
Neomirandea **allenii** 74:273-274; angularis 74:272; araliaefolia 74:272; costaricensis 74:273; eximia 74: 274; sciaphila 74:272, 274
Neoparrya 60:265; lithophila 60:265, 269-270
Neotreleasea brevifolia 72:265
Neottia gracilis 68:462; lacera 68: 462
Neovriesia macrostachya 67:323
Nepeta cataria 72:524
Nephelea mexicana 73:11; pubescens 74:445
Nephrocytium 64:58; agardhianum 63:277; ecdysiscepanum 71:456; limneticum 71:452, 453 (fig. 22), 456; lunatum 71:452, 453 (fig. 23), 456; obesum 73:277
Nephrodium clypeolulatum 61:306; deflexum 69:5; invisum 61:306; 63: 34; jamesonii 69:6; leprieurii 69:6; macrotis 69:7; nemorale 69:7; sloanei 61:306
Nephrolepis biserrata 63:32; davallioides var. furcans 63:82; exaltata 57:283; var. monstruosa 63:32; falcata 63:32; f. **furcans** 63:32
Nephthytis cravenreuthii 62:252, 253 (fig. 1), 256
Neptunia lutea 57:286
Nerium 69:434; oleander 69:434
Neslia paniculata 52:57; 58:247; 63: 49, 54
Netrium digitus 58:120; 63:278; 64: 55; var. constrictum 63:278; interruptum 58:120; naegelii 63:278; oblongum 63:278

Neurola 57:4, 43; arkanzica 57:44, 46
Neurolaena 64:259; 69:449; lobata 64: 261 (fig. 30), 269; 69:449
Neuropogon 56:154; acromelanus 56: 155; **lambii** 56:155; sulphureus 56: 154-155
Neviusia 53:205; alabamensis 53:204, 206; 58:187, 188 (fig.), 189 (fig. 1, map), 190; 66:274; 71:100
Nezera imbricata 65:51, 53
Nicandra 75:333-334
Nicolletia edwardsii 63:123 (fig. 22), 125, 128
Nicotiana 75:517; glauca 64:153; 71: 548, 551; tabacum 69:441; trigonophylla 52:20; 56:161
Nidema ottonis 67:326
Niesslia **barbicincta** 65:302 (figs. 10-12), 305-306; crucipila 65:306; exilis 65:306; exosperioides 65:306; pusilla 65:306
Nigella damascena 62:110, 115; 74: 143
Nitella 51:15; 64:58; batrachosperma 51:16-17; flexilis 58:120; 73:65; gracilis 51:14-17; f. brachyphylla 51: 14, 17; maxceana 51:16-17, (pl. 1119); minuta 51:16; morongii 51: 13-16, 18, (pl. 1119); translucens 51:18
Nitschkea flageoletina 71:195
Nocco mollis 67:355
Nodularia harveyana 67:252; 73:268; 75:292; spumigena 67:252
Nolina georgiana 73:498
Nopalea 69:428; cochenillifera 69: 428
Nostoc commune 58:120; 67:252-253; linckia 67:252; microscopicum 58: 120; microscopium 58:120; muscorum 64:55; 67:252; paludosum 67:252; parmelioides 64:358-359; pruniforme 58:120; sphaericum 58: 120; 67:252; verrucosum 58:120; 67:252
Nostocaceae 63:281; 67:252; 75:292
Nostocales 71:116
Nostochopsis lobatus 66:163 (fig. 1), 164
Notholaena 72:534; affinis 63:81; **angusta** 63:79 (pl. 1257), 80-81; **aurea** 63:82; brachypus 63:82-83; **cantangensis** 63:79 (pl. 1257), 81-83; cubensis 63:81; dealbata 63:85-86; ekmanii 63:81; fendleri 56:212; hassleri 63:82-83; incana 62:8; limitanea 63:85; lumholtzii 70:465; **nivea** 62:8; 63:85; obducta 63:87; **peruviana** 63:87; schaffneri 63:80-81; sinuata 56:208; 63:82; **solitaria** 63:82-83, 84 (pl. 1258); standleyi 56:208; **stuebeliana** 63:83, 84 (pl. 1258), 85; trichomanoides 67:357
Notoptera tequilana 64:266
Nototriche 69:21
Nowellia curvifolia 53:120; 59:255, 258
Nuphar 52:65; 72:54; 75:65, 67 (fig. 1), 68, 70; advena 62:109, 115; 73:258; luteum 75:68; microphyllum 55:148; 58:76; 61:282; 62:110, 113; 73:257; 75:65-66, 67 (fig. 1), 68, 69 (fig. 2), 70, 71 (fig. 3), 73; f. microphyllum 58:76; f. **multisepalum** 58:76, 78; ovatum 52:65-66, 67, (pl. 1160); 54:127; **puteorum** 52:65-67 (pls. 1159-1160); ×rubrodiscum 55:48, 149; 58:77; 62:110, 113; 75:66, 67 (fig. 1), 68, 70, 73; variegatum 52:67; 53:10; 55:149; 58:77; 60:116; 62:110, 113; 72:517; 73:257; 74:137; 75:66, 67 (fig. 1), 68, 69 (fig. 2), 70
Nuttallia albescens 61:57
Nyctaginaceae 60:301; 67:329; 69: 403; 75:415
Nymphaea 52:66; 69:405; alba f. rosea 74:138-139; amazonum 67: 330; ampla 67:330; 69:405; flava 53:25; jamesoniana 67:330; 69:373; odorata 51:8; 54:135; 55:149; 56: 256; 57:267; 60:116; 62:110, 113; 67:330, 373; 71:25; 72:517; 73:258; 74:137-138; f. rosea 57:313; f. rubra 62:110; 74:138; var. gigantea 62: 110, 113; 74:138; pulchella 67:330; 69:405; rudgeana 67:330; tetragona 55:149; 62:110, 116; subsp. leibergii 53:157; 70:210; tuberosa 60:34; 62: 110, 115; 65:78; 74:135-139; zanzibarensis 69:405
Nymphaeaceae 55:148; 62:109; 67: 330; 69:405
Nymphoides 75:70, 73; aquatica 64: 89; cordata 72:524; 73:259; 75:65, 70, 71 (fig. 3), 72 (fig. 4), 73; lacunosa 67:376; peltatum 52:36; 60:58
Nyssa 61:209; 70:217; aquatica 54: 258; 55:15; 73:205; biflora 61:184, 209, 211; denticulata 61:213; ogeche 61:209; sylvatica 51:105; 55:270; 56:84, 87; 58:39; 61:209-213; 63: 65, 68; 65:283; 70:224; 71:33; 72: 79, 280-281; var. biflora 59:256-258; 61:209; 71:33; var. caroliniana 51: 116; uniflora 61:209, 212-213; ursina 61:184
Nyssaceae 71:33

Oakesia 54:58; 75:509; floridana 65: 173; puberula 63:36, 39; 65:170; sessilifolia 54:63; 65:175; var. nitida 63:36, 39; 65:170
Oakesiella 54:58; floridana 65:173; nitida 63:37, 39; 65:170; puberula 63:37, 39; 65:170; sessilifolia 65: 169, 175
Oaxacania 72:100, 103-104; malvaefolia 72:103
Obeliscaria 70:350, 354; columnaris 70:369; var. pulcherrima 70:376; peduncularis 70:364; pinnata 70: 357; pulcherrima 70:376; tagetes 70:383
Obelisteca 70:349, 354
Obione 71:580; muricata 71:580; sibirica 71:580
Obolaria borealis 61:62; caroliniana 61:62; virginica 61:60, 61 (map 4); 72:551, 552 (figs. 1-2)
Obularia 61:58
Ochnaceae 67:340
Ochromonadaceae 63:280
Ochromonadales 73:287
Ocimum 69:440; basilicum 69:440; micranthum 69:440
Octotea 69:406; floribunda 69:406; leucoxylon 69:406
Octadesmia montana 67:326
Odontites serotina 72:286, 525
Odontoschisma elongatum 60:219; macounii 60:211, 212 (fig. 1, map), 223; prostratum 53:120; 59:253-254; sphagni 67:372
Oedogoniaceae 63:276
Oedogonium 71:451, 463; borisianum 64:55; boscii 63:277; capillare 64: 55; crenulatocostatum 64:55; gracilius 63:277; grande var. aequatoriale 64:55; hystricinum 63:277; laeve 64:55; plusiosporum 64:55; pringsheimii 64:55; reinschii 63:277; sp. 63:277; 73:65; spp. 71:456; subsexangulare 63:277
Oenanthe aquatica 70:171
Oenoplea 70:41; volubilis 70:41
Oenothera 51:46, 61; 59:9; 60:37; 70: 66; sect. Onagra 51:61; acaulis 70: 42; alata 57:290-291; 58:284; 70: 43; albicaulis 57:291; 70:42; albinervis 59:15; ammophila 59:16; ammophiloides 59:11; var. **flecticaulis** 59:11; var. laurensis 59:11; var. **parva** 59:12; angustissima 51: 65; 59:12; var. quebecensis 59:12; apicaborta 59:12; argillicola 51:61, 70, (pl. 1138); 59:13; atrovirens 59: 13; var. **ostreae** 59:13; biennis 51: 61-62, 64, 66-69, (pl. 1137); 52:296; 53:269; 55:176; 57:302; 58:247; 59: 16; cruciata 51:66; var. 51:63; var. biennis 72:522; var. canescens 51: 63, 69, (pl. 1138); var. **cantabrigiana** 59:16; var. hirsutissima 51:63-64, 69, (pl. 1138); 53:269; 55:176; 59:15; var. leptomeres 59: 16; var. nutans 51:63, 65, 69, (pl. 1137); var. oakesiana 51:66; var. vulgaris 51:62; biformiflora 59:12; var. cruciata 59:12; blandina 60:39; brevi-capsula 59:14, 16; caespitosa 57:290-291; 58:287-288; 59:100; 63: 41; canescens 52:170; canovirens 51:69, (pl. 1138); 59:14; var. **cymatilis** 59:14; cantabrigiana 59:16; cespitosa 59:100; 70:42; cheiranthifolia 72:372; cheradolphila 59:15; chicaginensis 59:14; cleistantha 59: 13; cockerellii 59:15; comosa 51:62; 59:11; cruciata 51:66-68, 70, (pls. 1139, 1141); 56:249; 59:13; var. **sabulonensis** 51:67, 70, (pl. 1142); 59:14; var. **stenopetala** 51:67-68, 70, (pl. 1143); 59:14; cymatilis 59:14; deflexa 59:13; var. bracteata 59:13; depressa 59:15; disjuncta 59:14; drummondii 59:16; engelmanni 56: 211; eriensis 51:63; 59:13; var. **niagarensis** 59:13; var. **repandodentata** 59:13; flava 56:212; flecticaulis 59:11; franciscana 59:16; fraseri 51:68; fruticosa 71:33; furca 59:14; gauroides 59:16; var. **brevicapsula** 59:16; glauca 51:68-69; grandiflora 51:61; 56:249; 59:13; var. **tracyi** 59:13; grandifolia 51:62; 59:11; hazelae 51:62; 59:11; var. parviflora 59:11; var. subterminalis 59: 11; heribaudii 59:15; heterophylla 59:16; hewetti 59:16; hirsutissima 59:15; hookeri 59:15; var. **angustifolia** 59:15; var. **franciscana** 59:16; var. grisea 59:16; var. **hewettii** 59: 16; var. **hirsutissima** 59:15; var. **irrigua** 59:15; var. parviflora 59: 16; var. **simsiana** 59:16; var. **venusta** 59:16; humifusa 57:280-281, 287; 59:16; 63:177; hybrida 51:68; insignis 59:14; intermedia 59:11; irrigua 59:15; jamesii 59:15; laciniata 57:287; 59:16; laevigata 59: 13; var. rubipunctata 59:13; var. **scitula** 59:13; var. similis 59:13; lamarckiana 51:61; 60:37; lavandulaefolia 51:20; leucophylla 59:12; litorea 59:16; longissima 59:15; macbrideae 59:15; var. **ornata** 59: 15; macrocarpa 57:290-291; 58:282, 284, 288; 59:100; 70:42-43; var. **incana** 70:43; var. **oklahomensis** 70: 43; macrosceles 59:15; macrosiphon 59:15; magdalena 59:12; missouriensis 58:284, 287-288; 59:10, 100;

70:42; var. incana 70:43; muricata 51:62, 64, 66; 53:269; 55:176; 59: 16; var. canescens 59:16; niagarensis 51:63; 59:13; nobska 59:14; novae-scotiae 51:62; 59:11; var. distantifolia 59:11; var. **intermedia** 59: 11; var. serratifolia 59:11; numismatica 59:16; nutans 51:63; 59:13; nuttallii 70:42; oakesiana 51:65-66, 68; 59:14; var. **nobska** 59:14; var. tidestromii 59:14; organensis 59: 10, 15; ornata 59:15; ostreae 59:13; paralamarckiana 59:14; parva 51: 62; 59:12; parviflora 51:64-67, 70, (pl. 1139); 55:176; 59:16; 72:522; var. angustissima 51:65, 70, (pl. 1139); var. **oakesiana** 51:66, 70, (pls. 1139-1140); perangusta 59:14; 60:37-40; var. rubricalyx 59:14; 60: 38; perennis 54:164, 256; 55:176; 65:93; 72:522; 75:319; pilosella 69: 379; pratincola 59:16; var. **numismatica** 59:16; procera 59:15; pycnocarpa 59:13; var. cleistogama 59: 13; var. parviflora 59:13; repandodentata 51:63; 59:13; reynoldsii 59:16; rhombifolia 63:44; rhombipetala 59:16; robinsonii 59:14; royfraseri 51:62; 59:12; rubescens 59:14; rubricapitata 59:15; ruderalis 59:16; sackvillensis 59:12; var. albiviridia 59:12; var. **royfraseri** 59:12; scapigera 70:42; scitula 59:13; serrulata 57:290; 70:42; shulliana 59:14; simsiana 59:16; stenomeres 59:14; stenopetala 51: 67-68, 70, (pl. 1143); strigosa 51: 63; 55:176; 59:14; 63:44; var. **albinervis** 59:15; var. **cheradolphila** 59:15; var. **cockerellii** 59:15; var. **procera** 59:15; var. **subulifera** 59: 15; subterminalis 59:11; subulifera 59:15; syrticola 59:16; tetragona var. fraseri 51:68; f. hybrida 51: 68; f. latifolia 51:68; var. **hybrida** 51:68-69; var. **latifolia** 51:68-69; tidestromii 51:66, 70, (pl. 1140); 59: 14; tracyi 59:13; venosa 59:13; venusta 59:16; victorinii 51:62; 59: 12; 60:39; var. intermedia 59:12; var. parviflora 59:12; var. undulata 59:12

Olacaceae 66:12; 67:328; 73:50

Olax 71:439, 441

Oldenlandia 63:217; 66:56; subgen. Orophilum 63:217; affinis 63:220; angustifolia 66:57; benguillensis 63: 218; boscii 51:118; 54:251; callitrichoides 63:222; 67:353; capillipes 63:222; corymbosa 67:352; cryptocarpa 63:221; divaricata 63:218; eludens 63:220; greenei 63:222; herbacea 67:353; hymenophylla 63: 221; juncoides 63:220; lancifolia 67: 353; luzuloides 63:218; micrantha 63:218; ovata 63:222; pringlei 63: 222; purpurea 61:167; var. ciliolata 61:176; var. longifolia 61:195; var. tenuifolia 61:190; sepaneoides 63: 221; somala 63:220; staelioides 63: 220; umbellata 63:220; 66:56-57, 58 (pl. 1294); verticillata 63:220; xestosperma 63:222

Oleaceae 52:296; 55:185; 60:327; 64: 152; 66:13; 67:345; 69:434; 75:420

Oleandra articulata 63:336, 337 (figs. 1-3), 338; bradei 63:336, 337 (fig. 4), 338; costaricensis 63:336, 337 (figs. 5-6), 338, 340; decurrens 63:336, 337 (fig. 7), 339-340; guatemalensis 63:337 (fig. 9), 340; nodosa 63:336; var. caudata 63:338; panamensis 63:337 (fig. 8), 340; trinitensis 63:340; var. subcostaricensis 63:340

Olmedia 70:121

Olmedioperebia sclerophylla 70:333

Olvesia tomentosa 69:410

Olyra 68:104-105, 343; buchtienii 68: 343-344; ciliatifolia 68:343-344; ecaudata 68:343-344; heliconia 68: 343-344; latifolia 68:343-344; lateralis 68:343; micrantha 68:343-344

Ombrophytum zamioides 65:9

Omphalia graveolens 62:187-188; kalchbrenneri 62:187-188; luteolilacina 68:181; luteovitellina 62:190

Omphalina flava 62:190; oreades 68: 178-179

Omphalophyllum ulvaceus 71:154

Onagra biennis var. strigosa 51:63; oakesiana 51:66; ornata 59:15; strigosa 51:63; subulata 59:15

Onagraceae 52:296; 55:176; 63:211; 67:343; 69:432; 71:33, 514; 75:319

Oncidium intermedium 67:327; lemonianum 67:327

Oncophorus polycarpus 54:157; 62: 170; wahlenbergii 62:154

Onobrychis sativa 62:293

Onoclea sensibilis 53:20; 55:97; 57: 219, 224, 227, 229 (fig. 15), 236, 239; 60:69, 206; 63:40; 65:87, 366; 71:20, 22; 72:508; 73:460; 75:313; struthiopteris 51:109

Onopordon acanthium 59:6

Onopordum 51:33

Onosmodium hispidissimum 57:322; occidentale 56:208

Onychonema filiforme 63:279

Oöcystaceae 63:277; 67:251

Oöcystis borgei 58:120; 71:456; crassa 58:120; 63:277; 67:251; elliptica 63:277; 71:456; lacustris 71:456;

parva 67:251; 71:456; pusilla 64:55; solitaria 63:277
Operculina tuberosa 67:348
Ophiocytium 64:58; capitatum 63:279; 71:463; cochleare 58:120; parvulum 58:120; 63:279
Ophiodothella vaccinii 64:133 (figs. 1-2), 134
Ophioglossaceae 55:94; 57:236; 67: 356
Ophioglossum 53:95; 69:480; crotalophoroides 69:480-481; 71:216; engelmannii 59:126; 69:480; 71:216; palmatum 67:356; vulgatum 51:7, 109; 71:216; var. pseudopodum 51:7, 10, 109; 54:211; 62:239; 72:3; var. pycnostichum 62:239
Ophionectria belanospora 65:308; cerea 65:307-308; everhartii 65: 307-308
Ophrydium 51:4, 32; sp. 51:4, 5 (fig.); versatile 51:4
Ophryosporus ovatifolius 74:504-506; petraeus 74:504-505; scabrellus 74: 505
Ophrys corallorhiza 68:460
Oplismenus 68:107-108, 334; hirtellus 68:334; muricatus 56:33; 58:48, 332; setarius 67:318; zelayensis 56: 33
Opuntia 53:94; 69:428; antillana 69: 428; arborescens 51:19; austrina 57:279, 287; dillenii 57:287; 67:313; 69:428; ficus-indica 57:287; fragilis 70:34, 431; humifusa 57:320; imbricata 56:208; keyensis 57:287; leptocaulis 52:20; missouriensis 70: 33; moniliformis 69:375; nashii 66:6; phaeacantha 56:212; polyacantha 63:41; 70:33; rafinesquii 56: 274; repens 69:428; rhodantha 56: 212; rubescens 69:375, 428; schweriniana 56:212
Orchidaceae 52:41, 248, 293; 53:70, 82; 55:139; 59:242, 280; 62:236; 67: 325; 68:460; 70:412, 415; 71:32, 497, 514, 562; 75:316
Orchis blephariglottis 55:11; leucophaea 51:23; orbiculata 52:64; 55: 295; purpurella 63:176; rotundifolia 52:64; 53:11, 83, 86; 62:174; f. beckettae 68:462; f. beckettii 68: 462; f. **lineata** 68:462; var. lineata 62:174; 68:462; spectabilis 53:83, 85; 61:269; f. **willeyi** 72:48; tridentata 55:11
Oreocarya fulvovanescens 74:83; multicaulis 74:83
Oreoweisia serrulata 64:123-124
Origanum vulgare 53:270
Ormosia 70:499, 518, 528; apulensis 70:519; chlorocalyx 70:519; coutinhoi 70:518; isthmensis 70:501 (fig. 1, map), 518-519; macrocalyx 70: 501 (fig. 1, map), 518-519; mexicana 70:516; schippii 70:501 (fig. 1, map), 518, 520; toledoana 70:519
Ormosiopsis 70:518
Ornithidium coccineum 67:327; confertum 67:327
Ornithogalum umbellatum 53:81; 55: 11; 60:65
Orobanchaceae trib. Obolarieae 61:58
Orobanche multiflora 74:387; terraenovae 53:6; uniflora 51:111; 53:6; 60:68; 65:76; 72:15; virginiana 61: 61
Orobus diffusus 70:43; dispar 70:43; sericeus 51:251; virginianus 51:292
Orochaenactis thysanocarpha 66:309
Orontium aquaticum 53:79, 87; 68: 25, 26 (fig. 1, map); fossile 68:28
Orthiopteris domingensis 67:359; inaequale 67:358
Orthocarpus luteus 55:362
Orthoclada 68:104-105, 234; laxa 68: 234
Orthopappus 70:229; angustifolius 70: 229, 230 (fig. 2), 235
Orthotrichaceae 53:124; 62:147, 158
Orthotrichum anomalum 62:159; lescurii 62:159; microblepharum 54: 158; obtusifolium 59:26; 62:159; 64:124; ohioense 62:159; pumilum 53:124; 62:159; pusillum 62:159; sordidum 62:159; 64:123, 125; speciosum 62:170; stellatum 62:148, 159; strangulatum 53:124; 62:159; striatum 62:170
Oryctes 75:333-334
Oryzopsis 63:285; asperifolia 51:109; 55:125; 63:137, 285-286; 72:511; 74:271; caduca 59:273; canadensis 51:109; 55:125; 72:511; florulenta 68:276; hymenoides 51:59; 52:21; 56:207; 59:273-276, (pl. 1230); ×Stipa neomexicana 59:276, (pl. 1230); melanocarpa 63:287; micrantha 52:166; 56:208; pungens 51:109; 55:45-46, 125; 63:286; 74: 271; racemosa 63:137, 287
Oscillatoria 63:280; 75:60; acutissima 67:252; agardhii 63:280; 67:252-253; amoena 58:120; 67:252; amphibia 63:280; 67:252; 73:267; 75: 287; anguina 68:120; angusta 63: 280; 67:252-253; angustissima 67: 252; articulata 58:120; 63:280; brevis var. neapolitana 75:287; chlorina 58:120; cortiana 64:55; curviceps 58:120; 63:280; 64:55; granulata 58:121; 71:450; irrigua 58:121; lacustris 63:280; laetevirens 75: 287; limnetica 67:252-253; 71:450;

limosa 58:121; lutea 75:288; margaritifera 75:288; nigro-viridis 75:288; ornata 58:121; 64:55; princeps 58:121; 75:288; prolifica 64:55; retzii 75:288; rubescens 67:252; salinarum 75:288; sancta 63:280; simplicissima 58:121; sp. 63:280; 75:289; splendida 58:121; 64:55; 67:252-253; 75:289; subbrevis 67:252; submembranacea 75:289; subtilissima 63:280; subuliformis 73:267; 75:289; tenuis 63:280; 64:55; 67:252; var. tergestina 58:121; terebriformis 67:252
Oscillatoriaceae 63:280; 67:252; 71:116; 75:284
Osmanthus americanus 73:495
Osmia borinquense 67:355; corymbosa 67:354; 69:448; geraniifolia 67:355; ivaefolia 67:355; odorata 67:354; 69:449; sinuata 67:355; 69:449
Osmorhiza chilensis 53:9; claytoni 55:48, 177; 73:462; 74:393; longistylis 53:9; var. villicaulis 66:312; obtusa 52:286; 53:7; 55:81, 178
Osmunda 52:246; 75:150; cinnamomea 55:47, 95; 57:236; 60:69, 206; 61:223-224, 225 (fig. 1), 228, 230; 64:344; 65:23, 87; 67:402; 71:21-22, 31, 514, 519; 72:281, 508; 75:313; f. cornucopiaefolia 69:453; f. cornucopiifolia 69:453; f. frondosa 61:223, 230; 71:167; f. latipinnula 61:223, 225 (fig. 1), 226-230; var. cinnamomea 73:105; var. glandulosa 61:223; claytoniana 55:46, 95; 65:87; 72:3, 282, 508; var. claytoniana 73:105; regalis 67:373, 402; 72:281; 73:254; var. spectabilis 55:95; 57:236; 60:69, 206; 65:23; 71:31; 72:508; f. **nana** 51:103; spicant 52:246
Osmundaceae 55:95; 57:236; 71:31; 75:313
Ossaea araneifera 65:20; domingensis 69:375; scalpta 69:375
Ostrya 72:4; virginiana 52:160, 293; 57:131; 58:128, 130; 63:65; 64:333; 69:458; 71:303; 72:2, 515, 554; var. lasia 58:128, 133; 66:312
Othera 53:232
Otthia seriata 65:303; staphylina 65:303
Otthiella seriata 65:303; staphylina 65:303
Ouratea ilicifolia 67:340; striata 67:340
Oxalidaceae 52:295; 55:170; 67:335; 69:415; 73:48; 75:319
Oxalis 51:391; 55:355; 69:415; 72:387; sect. Corniculatae 67:146, 148, 152; acetosella 55:12; 73:105; barrelieri 67:335; 72:395; corniculata 63:288; 67:146, 147 (fig. 1), 148 (fig. 2), 149 (fig. 3), 150-151, 335; 69:415; 73:48; corymbosa 67:335; dillenii 57:286; 67:146, 147 (fig. 1), 148 (fig. 2), 149 (fig. 3); 73:495, 508, 510; var. radicans 59:267; europaea f. villicaulis 60:68; 69:33; var. europaea 72:521; f. cymosa 72:521; filipes 66:379; grandis 67:146, 147 (fig. 1), 148 (fig. 2), 149 (fig. 3); intermedia 67:335; martiana 60:17; montana 55:12, 46-47, 170; 63:288; 65:92; 67:377, 387; 72:521; 75:319; priceae 67:146, 147 (fig. 1), 148 (fig. 2), 149 (fig. 3), 150-151; recurva 59:267; rugeliana 69:374; sanguinolaria 59:267; stricta 52:295; 67:146, 147 (fig. 1), 148 (fig. 2), 149 (fig. 3), 151; suksdorfii 67:146, 147 (fig. 1), 148 (fig. 2), 149 (fig. 3); violacea 58:318; f. alba 52:58
Oxybaphus 51:3; hirsutus 51:3; linearis 51:3; 61:85; var. **subhispida** 61:85
Oxycoccus microcarpus 59:292; oxycoccus 62:262; palustris 62:262; quadripetalus 59:292; 62:262; 70:206-208
Oxydendrum arboreum 61:25
Oxydenia attenuata 63:26
Oxylobus glanduliferus 64:263
Oxypappus scaber 74:511
Oxypolis filiformis 71:33; 75:420; rigidior 72:79; ternata 51:138
Oxyria digyna 52:62; 54:51, 222, 278, 282; 55:249; 56:243; 60:298, 302; 68:410, 412 (fig. 4, map), 416; 70:185; reniformis 54:51, 278
Oxyrrhynchium hians 62:165
Oxytria crocea 66:380
Oxytropis 52:227, 54:35; acuminata 70:44; foliolosa 52:286; 67:381; glutinosa 65:219; ixodes 55:52-53, 82, 170, (pl. 1190); f. ecaudata 55:52-53, 82, 170; johannensis 53:9; 57:302, 308; 68:414 (fig. 12, map), 417; lambertii 70:44; var. abbreviata 61:183; leucantha 65:219; maydelliana 54:280; nigrescens 65:219; subsp. bryophila 65:219; subsp. pygmaea 55:251; 65:219; subsp. pygmaea 55:251; 65:219; splendens 55:362; 58:323-324; varians 53:158; viscida 65:219; viscidula 65:219
Pachira aquatica 67:340; insignis 67:340
Pachyrrhizus erosus 67:335
Pachystachys 69:444; coccinea 69:444
Pachystima canbyi 58:92

Pachythyrium parasitica 71:194
Paecilomyces sp. 73:308
Paeonia 51:6; brownii 54:236; californica 54:236
Palafoxia 58:164; 66:67
Palicourea 69:445; brevithyrsa 67:353; crocea 67:353; 69:445; domingensis 69:446; riparia 69:445
Pallavicinia lyellii 53:121
Pallaviciniaceae 53:121
Palmaceae 62:236
Palmae 59:242; 65:259; 67:322; 70:414; 75:414
Palmella 64:58; mucosa 67:251; myosurus 58:119
Palmellaceae 67:252; 71:117
Palmogloea protuberans 58:121
Paltoria 53:232
Panax quinquefolium 54:175; 55:156; 57:131; 71:303; 73:462; 75:167; trifolium 67:402; 69:33; 71:171
Pancratium declinatum 67:324
Panctenis 51:84
Panderia pilosa 58:45; turkestanica 58:45
Pandorea 69:442; ricasoliana 69:442
Pandorina morum 63:276; 64:55; 73:67
Panicum 51:115; 52:45; 53:53; 68:108, 317; 70:221; 72:535; sect. Lancearia 75:374; aciculare 71:31; 73:111; adspersum 57:283; 75:373; agrostidiforme 68:443; agrostoides 57:284; 68:443; var. ramosius 56:158; albomarginatum 57:284; 66:380; amarulum 57:284; amarum 72:5; 75:373; anceps 66:380; 68:443; angustifolium 67:318; annulum 72:6; aquaticum 68:318, 320; var. chloroticum 68:320; ashei 68:441-442; barbinode 67:318; bartowense 57:284; boliviense 68:318, 323; boreale 72:511; caerulescens 51:127; calliphyllum 69:454; callophyllum 69:454; capillare 56:33; 67:318; 75:136; var. hirticaule 56:33; var. minus 68:442; var. occidentale 56:33; 60:67; 72:511; cayennense 68:319-320; chloroticum 68:320; clandestinum 55:18; 63:135; 72:79; combsii 66:381; commutatum 60:206; 71:31; var. ashei 68:441-442; var. minor 68:442; var. minus 68:442; condensum 66:380; consanguineum 57:311; 66:380; cordovense 68:318, 327; cyanescens 68:319, 325; depauperatum var. involutum 68:443; var. psilophyllum 68:443; dichotomiflorum 56:180; 57:284; 63:136; 72:48; var. dichotomiflorum 72:48; var. geniculatum 71:168; 72:48; var. puritanorum 63:135-136; echinulatum 68:318, 320; 75:413; var. boliviense 68:320; ensifolium 66:380; flexile 55:225; frondescens 68:318, 324; frumentaceum 68:441, 446; fusiforme 67:318; giganteum 68:322; glaucum 53:27-30; glutinosum 68:319, 325; gymnocarpon 54:125; hallii 51:20; hebotes 68:319, 327; hemitomon 66:381; hians 51:127; hillmanii 56:33; **hirstii** 63:236; hirticaule 56:33; 68:319-320; implicatum 59:233; involutum 68:443; lancearium 66:380; lanuginosum 71:31; var. fasciculatum 60:67; var. implicatum 57:321; 60:67; 72:511; var. septentrionale 72:511; laxiflorum 51:109; 60:206; laxum 68:318, 323-324; leucothrix 66:380; 71:31; linearifolium 55:126; 75:373-374; longifolium 72:272; longiligulatum 66:380; 71:31; lutescens 53:27-28; 68:445-446; malacophyllum 75:373; mattamuskeetense 72:5-6; maximum 68:319, 322; megiston 68:318, 328; melicarium 66:381; meridionale 59:233; microcarpon 60:206; 72:6, 79; miliaceum 57:267; 59:28; 71:168; 73:104; muricatum 56:33; 58:48, 332; 68:440; mutabile 73:498, 508, 510; muticum 67:318; nervosum 68:319, 325; neuranthum 57:284; obtusum 51:19; oligosanthes var. scribnerianum 51:107, 109; olyroides 68:319, 329; pantrichum 68:318, 327; parvifolium 68:319, 326; paucispicatum 68:318, 328; peladoënse 68:319, 321; perlongum 62:94; philadelphicum 56:33; 74:294, 378; pilcomayense 56:33; pilosum 68:318, 323; polyanthes 60:206; polygonatum 68:318, 322; portoricense 73:498; procurrens 68:318, 329; pulchellum 68:318, 324; pungens 58:48; quadriglume 68:317, 319, 321; ramisetum 52:166; repens 71:31; 73:498; reverchoni 56:158; rigidulum 68:443; 75:166; roanokense 63:236; rudgei 68:319, 326; scabriusculum 66:380; sciurotis 68:319, 327; scoparium 66:380; scribnerianum 58:318; sellowii 68:319, 326; sphaerocarpon 71:31; var. inflatum 68:519; spretum 60:67; 63:235; 72:5; stoloniferum 68:318, 324; stramineum 68:319, 321; strigosum 67:318; subvillosum 55:126; 72:511; texanum 52:36; 59:28; trichanthum 68:319, 325; tricholaenoides 68:318, 322; trifolium 66:380; 73:111; utowanaeum 67:318; verrucosum 71:31; versicolor 68:320, 328; villosissimum 56:32, 82; virescens 68:446;

virgatum 51:20; 55:362; 56:33, 208; 57:284; 66:380; 70:442; 71:23, 31; 72:5; 74:478, 483 (fig. 1); var. spissum 56:246; 73:255; webberianum 75:373; werneri 75:373-374; wrightianum 51:127; 71:31; xanthophysum 56:246; yadkinense 51:127
Pantoneura angustissima 66:235-236, 237 (fig. 4), 238, 241-242, 243 (fig. 5), 244 (fig. 6), 245, 247, 249-250, 252; baerii 66:221, 223 (pl. 1300), 223, 227, 235-236, 238, 239 (pl. 1301), 240 (fig. 1), 241 (fig. 2), 243 (fig. 5), 244-247, 248 (fig. 7, map), 249-252; 71:153; 72:201, 225, 238; corymbosa 66:235, 245; plocamioides 66:234-235; rostrata 66:235, 245
Papaver 54:50; alaskanum 65:217; dubium 63:47, 55; 66:16; macounii 54:279; 65:217; nudicaule 54:51, 216, 278, 283; radicatum 54:40, 49, 51, 54, 216, 278-279, 283; 55:247, 250; 65:217; rhoeas 63:47, 54; somniferum 63:47, 54; walpolei 72:488
Papaveraceae 55:152; 63:47, 211; 69:406; 75:415
Papilionaceae 70:496-497; subfam. Lotoideae 70:497
Pappophorum 68:102, 235; alopecuroideum 67:319; mucronulatum 68:235; pappiferum 67:319; wrightii 56:209; 68:235
Pappothrix 71:58-59, 61, 74; cernua 71:76; cinerea 71:90; quinquefolia 71:78; rupestris 71:82
Paralabatia portoricensis 67:345
Paraleucobryum longifolium 59:253; 62:154
Parapholis incurva 63:176
Parentucellia latifolia 54:145
Pariana 68:104, 238; bicolor 68:239-240; gracilis 68:239; lunata 68:240; **swallenii** 68:239; zingiberina 68:240
Parietaria floridana 60:297, 305; nummularia 57:285; pensylvanica 60:297, 303, 318, 320
Pariti tiliaceus 67:340
Parkinsonia 69:411; aculeata 66:12; 69:411; 73:50
Parmelia borreri 60:83; caperata 60:83; conspersa 60:83; f. insidiata 60:83; var. stenophylla 60:83; dubia 60:83; perforata 60:83; rudecta 60:83; saxatilis 60:83; subaurifera 60:83; sulcata 60:83
Parnassia 75:384; asarifolia 67:394, 396 (fig. 5, map); caroliniana 65:362; glauca 57:114; 63:50-51, 53; grandifolia 54:254; 65:361; kotzebuei 52:286; 53:14, 16; 55:251; 65:218; palustris 53:50; 55:54; var. neogaea 55:51, 53, 79, 164; parviflora 53:11, 268; 68:414 (fig. 11, map), 417
Paronychia argyrocoma var. albimontana 55:351; 62:109; 113; canadensis 51:108, 110; 62:109, 114; depressa 74:380; fastigiata 59:33; 62:109, 114; var. paleacea 61:26; jamesii var. jamesii 68:423; var. **praelongifolia** 68:423; pulvinata 64:234; sessiliflora 51:20, 24; 56:208
Parosela domingensis 67:333; 69:373
Parrya 54:88; nudicaulis 55:232; 65:218; subsp. interior 65:218
Parsonia bustamanta 71:484
Parsonsia balsamonea 60:19; micrantha 67:342; parsonsia 67:342; petiolata 52:185
Parthenium 54:17; 69:449; argentatum 54:8; 61:260; hysterophorus 65:229, 237; 69:449; 70:232, 239; tomentosum 64:265
Parthenocissus inserta 55:172, 174; 72:521; quinquefolia 57:276-277, 286; 60:68; 72:521; 73:206, 506-507, 509, 511, 513; f. hirsuta 52:35; tricuspidata 73:80, 211; vitacea 55:174
Paspalum 51:115, 124; 65:146; 68:94, 105, 305; bakeri 75:413; bifidum 51:126; 52:254; blodgettii 66:369 (fig. 1); 67:318; boliviense 68:306, 317; boscianum 64:356; 67:318; buchtienii 68:307, 310; bushii 56:32; caespitosum 64:86; 66:369 (fig. 2); candidum 68:305, 308; ceresia 68:306, 309; ciliatifolium 56:32; 57:284; 64:86; 68:444; var. muhlenbergii 51:109; 56:32; 60:67; 68:444; var. stramineum 56:32; 59:233; circulare 56:180; collinum 68:308, 315; conjugatum 68:307, 313; conspersum 68:308, 315; curtisianum 66:381; decumbens 68:306, 311; densum 68:306, 316; depauperatum 68:306, 309; difforme 71:31; dilatatum 56:32; 68:307, 313; dissectum 63:236; distichum 56:180; 68:307, 311; 74:378; var. **indutum** 56:31; ekmanianum 68:307, 316; erianthum 68:307, 310; fimbriatum 64:85-86; 65:146; 66:369 (fig. 3), 370; floridanum 71:31; fluitans 51:126; 66:369 (fig. 4), 370; glabrum 67:318; humboldtianum 68:307, 310; inaequivalve 68:306, 313; inconstans 68:307, 311; juergensii 68:307, 312; laeve 57:311; 66:368, 369 (fig. 5), 370; var. pilosum 56:158; laeviglume 55:289; laxum 66:11; 67:318;

75:413; lentiferum 51:127; 64:356; leoninum 67:318; lepidum 68:307, 312; lineispatha 68:306, 309; longepedunculatum 69:453; longipedunculatum 69:453; longipilum 56:158; 66:380; malacophyllum 68:306, 316; melanospermum 67:317; 68:307, 314; membranaceum 68:309; millegrana 68:306, 315; 69:60; minus 66:273; 68:94-95, 96 (fig. 1), 306, 314; 75:372; molle 66:11; 67:317; 75:413; muhlenbergii 68:443; multicaule 68:307, 312; notatum 68:95, 306, 314; 71:31; paniculatum 68:307, 312; penicillatum 68:306, 308; pictum 68:306, 312; pilosum 68:306, 316; plenipilum 56:158; plicatulum 60:11, 30; 68:308, 314; poiretii 66:11; 67:318; polyphyllum 68:307, 310; portoricensis 67:318; praecox 51:126; propinquum 75:413; prostratum 68:306, 308; pubescens 56:32; 64:86; 68:443-444; pubiflorum var. glabrum 54:125; 55:289; var. pubiflorum 54:125; pygmaeum 68:306, 308; var. glabrescens 68:308; racemulosum 51:126; 52:254; remotum 68:307, 316; rupestre 67:318; saccharoides 68:306, 317; saugetii 67:318; **separatum** 56:32; setaceum 51:109; 60:206-208; 66:380; var. longepedunculatum 69:453; var. longipedunculatum 69:453; simpsoni 67:318; stellatum 68:306, 309; stramineum 56:32; 59:233; 60:116; tripinnatum 68:303; urvillei 56:32; 66:380; 68:307, 314; 71:31; 75:413; vaginatum 57:284; 75:372; virgatum 68:306, 315

Passiflora 69:427; anadenia 67:341; caerulea 55:8; cupraea 73:50; edulis 67:341; 72:396; foetida 69:427; incarnata 65:79; f. **alba** 52:35; laurifolia 69:427; lutea 51:29; 65:79; 70:47; multiflora 69:427; murucuja 67:341; pallida 67:341; 69:427; rubra 69:427; suberosa 66:19; 67:341; 69:427; warei 66:19

Passifloraceae 67:341; 69:427; 73:50

Pastinaca sativa 51:8; 55:178

Patellaria wilsoni 56:121, 123

Patrinia 70:521; sericea 70:523

Pattersonia caroliniensis 64:90

Paullinia 69:422; 70:322; pinnata 69:422; plumieri 69:422

Pavia arguta 59:198; hybrida 59:198; lindleyana 59:198; livida 59:198; mutabilis 59:194; versicolor 59:198

Pavonia 69:424; fruticosa 67:339; paniculata 67:340; scabra 67:340; 69:375; spicata 69:375; spinifex 69:424

Paxillus curtisii 68:183

Pectis 52:41; 69:449; angustifolia 52:40; floribunda 67:355; linearifolia 57:289; linifolia 69:449; prostrata 57:289; seemannii 74:511

Pedaliaceae 67:352

Pediastrum 63:277; araneosum 63:277; 71:456; biradiatum 63:277; 64:55; var. longicorne 63:277; var. undulatus 63:277; boryanum 64:56; 75:266; var. longicorne 64:56; 71:456; duplex 63:277; 64:56; 71:456; 75:266; f. gracillium 71:457; var. clathratum 63:277; 64:56; 71:457; var. cohaerens 63:277; var. gracillimum 63:277; var. rotundatum 64:56; var. rugulosum 64:56; ehrenbergii 64:56; obtusum 63:277; sculptatum 63:277; simplex 75:266; var. duodenarium 71:457; tetras 63:277; 64:56; 71:457; var. tetraodon 63:277; 64:56; 71:457

Pedicularis arctica 65:221; canadensis 52:269, 297; 57:319; 64:335; f. **albescens** 54:258; f. bicolor 54:258; f. flava 54:258; f. praeclara 54:258; capitata 54:217; 55:251; 65:221; flammea 65:221; furbishiae 51:8; 53:50; hirsuta 54:49, 53, 55, 280, 283; lanata 55:252; lanceolata 51:117; 54:254; langsdorfii 65:221; nelsonii 54:217; oederi 65:211, 221; palustris 53:50; pennellii 65:221; sudetica subsp. albolabiata 65:221; 71:506; subsp. pacifica 65:221; sylvatica 67:377; verticillata 55:252; 65:221

Pedilanthus 69:420; angustifolius 67:337; 69:420; latifolius 67:338; padifolius 67:337; 69:420; tithymaloides 69:393, 420; subsp. angustifolius 69:420; subsp. padifolius 69:420; subsp. parasiticus 69:420; subsp. tithymaloides 69:420; var. angustifolius 67:337; var. padifolius 67:337; var. parasiticus 67:337

Peiranisia fitchiana 62:236; haitiensis 62:236; polyphylla 67:332

Pelargonium 71:441; hortorum 71:439, 440 (fig. 1)

Pelexia adnata 67:325

Pellaea 70:1, 3, 21-22; 72:534; 75:122, 127; sect. Pellaea 70:3; andromedifolia 62:9; 70:3, 4 (pl. 1371), 5, 6 (fig. 2), 8, 9 (fig. 3), 10, 11 (fig. 4), 12 (fig. 5), 13-14, 15 (fig. 6), 19 (fig. 9, map), 20-22; atropurpurea 52:43; 56:208; 57:236; 70:3, 7-8; 74:220-224, 225 (fig. 3,

map), 228, 229 (figs. 9-11), 230, 231 (fig. 16), 232, 233 (figs. 19-20), 237-240; 75:122-124, 125 (fig. 1), 127-130; breweri 62:9; dealbata var. stuebeliana 63:83, 85; glabella 51: 148; 57:236; 75:122; var. glabella 75:122-124, 126 (fig. 2), 127-130; var. occidentalis 75:129; intermedia 70:3, 4 (pl. 1371), 7, 11 (fig. 4), 12 (fig. 5), 13-14, 15 (fig. 6), 16, 18 (fig. 8, map), 20, 22; longimucronata 74:232; myrtillifolia 62:9; 70:11 (fig. 4), 14; notabilis 74:220-222, 223 (fig. 2), 224, 225 (figs. 3-4), 229 (fig. 12), 230, 231 (fig. 15), 232, 233 (figs. 21-22), 234, 237-240; ovata 70:3, 4 (pl. 1371), 7, 11 (fig. 4), 12 (fig. 5), 15 (fig. 6), 17 (fig. 7, map), 22; 74:240; rufa 62:9; 70:11 (fig. 4), 14; sagittata 70:3, 8; var. cordata 70:8; var. sagittata 70:8; stuebeliana 63:83; ternifolia 63:341; 64:209; 70:3, 11 (fig. 4), 12 (fig. 5), 13, 15 (fig. 6), 16; 74:220, 226, 234, 237, 239; var. ternifolia 62:177 (fig. 1), 180, 182, 184; 63:341; 70:3, 22; 74:221, 224, 226 (figs. 5-6), 227 (fig. 7, map), 229 (figs. 13-14), 230, 231 (figs. 17-18), 232, 234, 235 (figs. 23-26), 237-239; var. wrightiana 74:221, 224, 226 (fig. 4), 227 (fig. 8, map), 228, 232, 234, 235 (figs. 27-28), 236 (figs. 29-34), 237-239; truncata 74: 232, 239

Pellia epiphylla 53:121; 72:494; fabroniana 72:494

Pelliaceae 53:121

Peltandra undulata 74:516-518; virginica 53:79, 86, 135; 73:256; 74: 516-518; f. brachyota 53:79; f. hastifolia 53:79; f. heterophylla 53:80; f. latifolia 53:80

Peltapteris peltata 67:356

Peltigera canina 60:82

Peltophorum 69:411; dubium 69:411; ferrugineum 67:333; 69:411; inerme 67:333; 69:391, 411; pterocarpum 69:411

Penicillium spp. 73:306-308

Penium closteroides 63:278; digitus 64:56; margaritaceum 58:121; 64: 56; navicula 63:278; sp. 63:278

Pennellia **longifolia** 62:16, 20; micrantha 62:16; **patens** 62:14-16

Pennisetum 68:105, 339; americanum 53:27; chilense 68:340; ciliare 58: 44; glaucum 53:27; 57:284; latifolium 68:339, 341; mutilatum 68: 340-341; purpureum 67:319; sagittatum 68:341; setosum 68:339-340; tristachyum 68:340-341; subsp. boliviense 68:341; villosum 68:339-340

Penstemon 61:272; 67:187; albidum 70:47; alluviorum 63:20; angustifolium 70:46; arkansanus 60:292; 63:20; 67:187, 188 (fig. 1); australis 51:84; 73:496; f. **odontophyllus** 51:84; bradburyi 57:293; 58:23, 287-288; 70:46; brevisepalus 51:84; f. **heterolasius** 51:84; brittonorum 51: 84; caeruleum 70:46; calycosus 67: 188 (fig. 1), 189; canescens 51:83; brittonorum 51:84; f. **brittonorum** 51:84; f. **villicaulis** 51:83; cristatum 57:291; 70:46-47; digitalis 53:270; 59:6; 67:188 (fig. 1), 189; dissectus 56:263; erianthera 57:291; 70:46-47; fendleri 52:175; glaber 70:47; gracilis subsp. gracilis 67:189; subsp. wisconsinensis 67:188 (fig. 1), 189; grandiflorus 57:291, 293; 58:23, 287-288; 67:189; 70:46; harbourii 67:188 (fig. 1), 189; hirsutus 51:111; laxiflorus 67:188 (fig. 1), 189; multicaulis 67:187; pachyphyllus 67:188 (fig. 1); subsp. pachyphyllus 67:189; pallidus 53: 160; 56:40; 58:318; 60:292; 67:188 (fig. 1), 189; procerus 73:59; 74: 393; pubescens 51:111; teretiflorum 70:47; teucrioides 67:188 (fig. 1), 190; tidestromii 59:166; tubaeflorus 51:83; 67:188 (fig. 1), 190; 69:453; 71:480; var. **achoreus** 51:83; tubiflorus 69:453; 71:480; wherryi 67: 187

Pentachaeta 62:62

Pentaphiltrum 60:114; 69:84

Pentarhaphia albiflora 67:352

Pentas lanceolata 73:47

Penthoraceae 53:89

Penthorum 53:89; sedoides 53:89-90; 63:50, 52

Peperomia 69:392, 400; barbata 61: 219; dendrophila 67:327; glabella 69:400; humilis 69:400; leptostachya 66:20; **lewisii** 61:218-219; magnoliaefolia 69:400; megapoda 67:327; myrtillus 67:327; pellucida 69:400; rhombea 67:327; sintenisii 67:327; spathophylla 61:219; tenella 67:327

Pepo moschata 67:354

Percursaria percursa 71:119; 72:318, 332; 73:269; 74:411, 415, 421, 482, 485; 75:264

Pereskia 69:428; aculeata 67:341; grandifolia 69:428; pereskia 67:341

Perezia 70:233-234; cubataensis 70: 233, 240

Periandra 51:381; mediterranea 63: 18; var. mucronata 63:17 (fig. 4), 18
Pericome caudata 56:212; 74:109; glandulosa 51:20; 52:175; 56:208; 74:109
Periconia sphaerophila 64:134-135
Peridiniaceae 63:280
Peridinium cinctum 63:280; 64:56; 71: 469; inconspicuum 71:464 (fig. 32), 465, 469; limbatum 71:464 (fig. 33), 465, 469; willei 71:464 (fig. 31), 465, 469; wisconsinense 71:469
Perilla 75:402
Perityle 58:164; 66:67; 71:58, 60-61, 68, 75; sect. Laphamia 71:61, 65, 68, 75, 92; sect. Pappothrix 71:58-61, 64-66, 68-75, 77, 79, 88-90; sect. Perityle 71:61, 65, 75; angustifolia 71:65, 92; bisetosa 71:89; cernua 71:60-61, 64 (figs. 1-3), 65-66, 67 (fig. 8), 68-71, 72 (fig. 14, map), 73, 75, 76 (fig. 15), 77, 79 (fig. 17, map), 81; cinerea 71:60-61, 65-66, 67 (fig. 10), 69-71, 72 (fig. 14, map), 73-75, 79 (fig. 17, map), 90, 91 (fig. 20), 92; incana 71:91; microglossa 64:258, 269; palmeri 64:158; parryi 71:65; quinqueflora 71:61, 64 (fig. 5), 65-66, 67 (fig. 11), 68-69, 72 (fig. 14, map), 73, 75, 77 (fig. 16), 78, 79 (fig. 17, map), 80-81, 85; rupestris 71:60-61, 66, 68-70, 73, 80-81, 85-88; var. albiflora 71:63, 64 (fig. 7), 65-66, 67 (fig. 13), 72 (fig. 14, map), 73-75, 79 (fig. 17, map), 81, 84-85, 87 (fig. 19, map), 89; var. rupestris 71: 62, 64 (fig. 6), 65-66, 67 (fig. 12), 72 (fig. 14, map), 74-75, 79 (fig. 17, map), 81, 82 (fig. 18), 87 (fig. 19, map), 91; sp. 64:158, 159 (fig. 53); straurophylla 71:58; vitreomontana 71:61, 64 (fig. 4), 65-66, 67 (fig. 9), 71, 72 (fig. 14, map), 73-75, 79 (fig. 17, map), 88-91
Perizoma rhomboidea 52:269; 60:23
Pernettya howellii 75:142
Persea 69:406; americana 67:330; 69: 406; borbonia 66:159; 71:32; humilis 65:280; persea 67:330; 69: 406; portoricensis 67:331; urbaniana 67:331
Persicaria acuminata 67:327; bicornis 59:265; 75:386; filiformis 54:23; hirsuta 60:13; neofiliforme 54:23; portoricensis 67:328; punctata 67: 328; segetum 67:328; virginiana 54:21
Perularia flava 51:23
Perymenium 75:173; asperifolia 64: 266; chalarolepis 64:266; mendezii 63:128
Petalonia fascia 66:220, 232; 71:127, 132; 72:117, 321, 337; 73:279-281; 74:409, 419-420, 480-481; 75:59, 62, 270; var. zosterifolia 71:127; zosterifolia 73:279
Petalostemon (see also Petalostemum) 75:2; candidum 70:47; carneum 56:256; corybosum 64:90; foliosus 69:383; 75:132-133, 134 (fig. 1, map), 135-138; gattingeri 69:384; pinnatum 64:90; 73:493; violaceum 70:47
Petalostemum candidum 57:321; decumbens 51:25; pinnatum 71:32; purpurum 57:321
Petasites 51:98; 70:533, 536, 538; arcticus 70:538; frigidus 54:40; 65: 222; 70:533, 545-547; var. frigidus 70:533-535, 539 (fig. 1), 543, 547; var. nivalis 70:531-535, 538, 539 (fig. 1), 543-545, 546 (fig. 4, map), 547; var. palmatus 70:533-538, 539 (fig. 1), 540-542, 543 (fig. 3), 544-545, 546 (fig. 4, map), 547-548; **glacialis** 53:228; **gmelinii** 53:228; hybridus 70:533; hyperboreus 70: 547; japonicus 70:533; subsp. giganteus 70:540; nivalis 70:547; palmatus 51:98; 55:199; 63:45; 70: 539 (fig. 1), 542; 72:527; sagittatus 55:199; 70:533-538, 539 (fig. 1), 540, 542, 543 (fig. 3), 544-545, 546 (fig. 4, map), 547-548; ×frigidus var. palmatus 70:539 (fig. 1), 542, 543 (fig. 3), 545; speciosus 51:98; 70:537-538, 539 (fig. 1), 543 (fig. 3), 545-546; tatewakianus 70:540; trigonophyllus 70:535, 548; vitifolius 70:533, 535, 538, 539 (fig. 1), 542-545, 547-549; ×vitifolius 70:539 (fig. 1), 541 (fig. 2, map), 548; warrenii 70: 533, 535-538, 539 (fig. 1), 540, 541 (fig. 2, map), 542, 543 (fig. 3), 544-545, 546 (fig. 4, map), 547-548; ×frigidus var. palmatus 70:539 (fig. 1), 544-545
Peteria 51:222; 58:344; glandulosa 58: 346-347, 349, 350 (fig. 1, map), 352-353; 59:216; nevadensis 58:345, 349; **pinetorum** 58:346, 348-349, 350 (fig. 1, map), 351; scoparia 58:344-346, 349, 350 (fig. 1, map), 352; 59: 216; var. glandulosa 58:345-346, 353; thompsonae 58:344-347, 349, 350 (fig. 1, map); 59:216
Petesioides pendulum 67:344; yunquense 67:344
Petiveria 69:404; alliacea 69:404
Petraea 69:439; volubilis 69:439

Petrea kohautiana 67:350
Petrocelis middendorfii 72:117, 199, 201, 214, 231-232, 238, 324, 334; 74:424
Petroderma maculiforme 73:278
Petroselinum crispum 67:344; 69:433
Petunia axillaris 59:30
Peucedanum palustre 61:181; 73:460-461
Peyssonelia rosenvingii 71:154; 72:117, 201, 208, 238, 324, 334; 74:424
Pezizales 71:201
Phaca 69:50; sect. Polares 75:305
Phacelia 61:272; 66:359; 70:398; subgen. Cosmanthus 66:359; 70:398; bipinnatifida 66:359; californica 62:209; **constancei** 74:451-452, 453 (fig. 1), 454 (map 1); corrugata 74:456, 459, 468; crenulata 74:451; var. ambigua 73:79; dubia 65:273; 66:359-360, 362, 363 (fig. 1k), 364, 366; 70:397 (fig. 3, map), 398-399, 405; var. georgiana 70:397 (fig. 3, map), 398-399, 405; fimbriata 66:359-360, 362, 363 (fig. 1f), 364, 366; franklinii 55:53, 77, 186; 62:205-208, 209 (fig. 1), 210 (fig. 2), 211, 212 (fig. 3), 214, 215 (fig. 4, map); 66:367; gilioides 66:359-360, 362, 363 (fig. 1d), 364-367; 67:42-43, 44 (fig. 1), 45, 46 (fig. 2, map), 47; ×hirsuta 67:42-47; glabra 66:359; hirsuta 66:359-360, 362, 363 (fig. 1c), 364-367; 67:42-43, 44 (fig. 1), 45, 46 (fig. 2, map), 47; **howelliana** 74:456, 460 (fig. 3), 461 (map 3); idahoensis 62:205-207, 208 (fig. 1), 209, 210 (fig. 2), 211, 212 (fig. 3), 213-218, 219 (fig. 5, map), 220-222; integrifolia 74:464; laxa 66:359-360, 362, 363 (fig. 1e), 364-366; lenta 62:205-207, 208 (fig. 1), 209, 210 (fig. 2), 211, 212 (fig. 3), 213-214, 215 (fig. 4, map), 216; linearis 62:206-207, 208 (fig. 1), 209, 210 (fig. 2), 211, 212 (fig. 3), 213-215; 66:367; lyallii 62:205-207, 208 (fig. 1), 209, 210 (fig. 2), 211, 212 (fig. 3), 213-214, 215 (fig. 4, map), 216; maculata 66:359-360, 362, 363 (fig. 1j), 364, 366; 70:394, 397 (fig. 4, map), 398-399, 405; magellanica 62:211; mollis 62:205-207, 208 (fig. 1), 209, 210 (fig. 2), 211, 212 (fig. 3), 213-214, 215 (fig. 4 map), 216-218; palmeri 74:451; patuliflora 66:359-360, 362, 363 (fig. 1a), 364-366; 67:139, 140 (fig. 1), 141 (fig. 2), 142 (fig. 3, map), 143-144; var. patuliflora 66:364-365; 67:139; var. teucriifolia 66:364; pinnatifida 74:464; platycarpa 66:359-360, 362, 363 (fig. 1h), 364, 366; procera 62:206-207, 208 (fig. 1), 209, 210 (fig. 2), 211, 212 (fig. 3); pulcherrima 66:359-360; purshii 66:359-362, 363 (fig. 1g), 364-367; **rafaelensis** 74:454, 456, 457 (fig. 2), 458 (map 2); ramosissima 62:216; ranunculacea 55:291; 66:359; sericea 62:205-206, 209, 211, 214, 216, 219 (fig. 5, map), 220; 67:47; subsp. **ciliosa** 62:212, 214, 219 (fig. 5, map), 221; subsp. eusericea var. biennis 62:221; var. caespitosa 62:220; var. nelsoni 62:221; subsp. idahoensis 62:218; subsp. lyallii 62:216; subsp. sericea 62:208 (fig. 1), 210 (fig. 2), 212 (fig. 3), 213-214, 217, 219 (fig. 5, map), 220-221; var. ciliosa 62:221; var. lyallii 62:216; strictiflora 62:209; 66:359-360, 362, 363 (fig. 1b), 364-366; 67:139, 140 (fig. 1), 141 (fig. 2), 142 (fig. 3, map), 143-144; var. lundelliana 66:364-365; 67:139; var. robbinsii 66:364; f. **albiflora** 56:160; utahensis 74:454, 456-458; **vossii** 74:462, 463 (fig. 4), 464 map 4); **welshii** 74:465, 466 (fig. 5), 467 (map 5), 468
Phacus helikoides 69:55, 56 (figs. 2-3); longicauda 64:56; 69:55, 56 (fig. 4); pyrum 69:55; sp. 63:280
Phaeocollybia christinae 65:297; jennyae 65:297; kauffmanii 68:183-184; laterarius 65:300; **rufipes** 65:297, 298 (pl. 1292), 300
Phaeophyceae 71:122; 72:116, 336; 74:266, 411, 416, 433; 75:54, 58-59
Phaeophycophyta 75:268, 294
Phaeophyta 66:230; 71:122, 528; 72:319; 73:277; 74:297
Phaeosphaerion persicariaefolius 67:323
Phaeostoma juniperina 64:136; lagenarium 64:136; **sphaerophila** 64:126, 133 (figs. 3-5), 134-136
Phaeothamniales 73:288
Phalangium esculentum 57:291; 58:284, 287; 70:44-45; quamash 58:284, 287; 70:44-45
Phalaris 68:100, 289; angusta 68:289; arundinacea 55:125, 289; 57:315; 68:444; f. picta 68:444-445; f. variegata 68:444-445; canariensis 56:180; 59:278; 60:12; 68:289; 71:168; hispida 73:40-41; pubescens 58:96
Phania dissecta 69:352-353; urenaefolia 69:360; urenifolia 69:360
Pharus 68:98, 290; glaber 68:290; latifolius 68:290; parvifolius 68:290-291
Phascum cuspidatum 62:154

Phaseolus 69:414; 70:492; coccineus 67:335; lathyroides 67:335; 69:414; lunatus 69:414; multiflorus 67:335; peduncularis 67:335; reniformis 64: 62; schotti 67:335; sinuatus 73:493; trichocarpus 67:335; vulgaris 69: 415
Phegopteris delicatula 61:306; germaniana 61:306; hydrophila 61:306; laevigata 69:6; membranacea 69:7; mollis 69:7; rustica 61:306
Phellodendron japonicum 58:43
Phialanthus grandifolius 67:353; myrtilloides 67:353
Philactis liebmanii 75:206; nelsonii 64:254, 265
Philadelphus 51:6; coronarius 63:50, 55; inodorus 52:295; 63:50, 54; pubescens 63:50, 55
Philibertia 51:58
Philodendron 66:118; andreanum 62: 252, 256; auriculatum 62:256; bipanifolia 62:255-256; bipinnatifidum 70:417; cordatum variegatum 62: 256; **craspedodromum** 66:118, 119 (figs. 1-9), 120, 122; dyscarpium 66: 122, 126; florida compacta 62:256; gloriosum 62:252, 256; **haematinum** 66:120, 121 (figs. 1-10), 122, 123 (pl. 1294), 126; hederaceum 67:322; krebsii 70:417; lacineatum 62:256; nechodomi 67:323; oxycardium 62: 256; 67:323; **remifolium** 66:120, 122, 124, 125 (figs. 1-11), 126; scandens 67:323; spp. 69:392
Philodice hoffmanseggi 73:159
Philonotis 53:117; fontana 62:158; longiseta 53:119; f. polygama 53: 119, 124; marchica 53:124; muhlenbergii 53:118, 124; 62:170
Philostemon radicans 73:190
Philotria 67:170; angustifolia 67:170; canadensis 67:12, 28, 170; densa 67: 157, 170; granatensis 67:170; guyannensis 67:170; iowensis 67:12, 170; linearis 67:29, 31, 170; minor 67:6, 169-170; nuttallii 67:6, 11-12, 170; occidentalis 67:6, 170; orinocensis 67:170; planchonii 67:12, 170
Philoxerus 69:403; vermicularis 57: 285; 69:403
Phippsia 54:142-145; algida 54:40-41, 141
Phlea tenuifolia 56:257
Phlebodium aureum 57:276-277, 283
Phlebotaenia corvellii 67:336
Phleum alpinum 68:413 (fig. 8, map), 417; arenarium 62:263; pratense 55:125; 60:65; 64:345; 65:89; 71: 519; 72:511; 75:315; f. viviparum 67:195; var. nodosum 68:516; subulatum 62:263
Phlox 51:77, 367; 72:54; 75:400; **alaskensis** 54:38-39; alba 51:81; alyssifolia 74:393; aspera 73:576; bifida 51:78-79; stellaria 51:78; var. **cedaria** 51:78-80; 62:241; var. stellaria 51:80; borealis 65:220; brittonii 51:78; caespitosa 54:39; carolina 71:33; divaricata 51:80; 54:27; 71:303; 75:397; candida 51:81; f. albiflora 51:81; f. **coulteri** 51:80; var. laphamii 51:80; 66:312; f. **bicolor** 52:58; f. **candida** 57:316; drummondii 60:21; 70:223; floridana 73:496; gracilis 60:41; **longipilosa** 73:576-577; maculata 51:81; 54:254; *β* candida 51:82; f. **immaculata** 51: 81; var. candida 51:81; var. purpurea f. **candida** 51:82; var. pyramidalis 51:82; var. b. suaveolens 51:81; nivalis 51:78; 73:496; f. **roseiflora** 51:78; pilosa 60:206; 66: 379; 71:33; subsp. latisepala 73: 576; var. ozarkana 75:400; var. pilosa 73:576; pyramidalis 51:82; richardsonii 54:39; sibirica 54:39; subsp. **borealis** 65:220; stellaria 51: 78-80; var. cedaria 51:79; var. b. cedaria 51:78-79; suaveolens 51: 81-82; subulata 51:367; var. australis 51:78; var. brittonii 51:78; f. **australis** 51:78; variabilis 54:39
Phoebe elongata 67:331; montana 67: 331
Phoenix dactylifera 75:414
Phomopsis sp. 73:307-308
Phoradendron 51:105-106; berterianum 67:328; bolleanum 64:149, 151; dichotomum 67:328; flavescens 51:105-106; 65:190; juniperinus 74: 83; rubrum 65:190-191; serotinum 65:190
Phormidium autumnale 58:117; inundatum 58:121; 63:281; minnesotense 67:252-253; nareanum 64:56; persicinum 75:289; purpurascens 58: 117, 121; retzii 58:121; 63:281; 75: 289; setchellianum 58:117; submembranaceum 75:289; uncinatum 58:117; 75:289; valderianum 58: 121; weissi 75:289
Photinia villosa 59:19
Phragmites 68:100, 231; communis 54:137; 55:121; 56:180; 64:358; 67: 319; 68:231; 70:442-443; 71:19, 23; 72:546; 73:105; var. berlandieri 52: 255; 53:20; 54:135-136; 59:240, 265; 65:77; phragmites 67:319
Phryganocydia 69:442; corymbosa 69: 442
Phryma leptostachya 52:270; 74:292; var. confertifolia 52:270

Phthirusa bicolor 67:328; caribaea 67: 328; 69:401; purpurea 67:328; sintenisii 67:328
Phycodrys rubens 66:227; 71:137; 72: 117, 200, 225, 232-233, 238, 324, 334; 73:285; 74:270, 424, 477
Phycolapathum crispatum 73:295
Phyla nodiflora 64:91; 67:349; var. reptans 67:349; scaberrima 67:349; stoechadifolia 67:349; strigulosa f. parvifolia 67:349
Phyllachora episphaeria 71:193
Phyllanthus 69:420; abnormis 57:286; acidus 67:337; 69:420; amarus 69: 421; caroliniensis subsp. saxicola 73:49; diffusus 67:337; epiphyllanthus 67:337; 73:49; juglandifolius 67:337; lathyroides 67:337; niruri 60:18; 65:196; 67:337; 69:421; nobilis 69:420; pentaphyllus 60:18, 30; 65:196; subsp. pentaphyllus 67: 337; subsp. polycladus 67:337; platylepsis 65:198; polycladus 67: 337; polygonoides 65:198; pruinosus 73:49; stipulatus 67:337; tenellus 69:374; urinaria 67:337
Phylleutypa wittrockii 65:302 (fig. 13), 306
Phyllitis scolopendrium 57:237; var. americana 52:42; 57:221, 237
Phyllodoce caerulea 55:295; 56:243, 249; 62:261; 67:380; 68:412 (fig. 5, map), 416; 71:506
Phyllophora brodiaei 66:222 (pl. 1300), 223, 227; 71:135; 72:200, 216, 231, 238, 326; 74:269, 424; membranifolia 71:135; 72:200-201, 217, 233, 238, 326; 74:424; spp. 72:211, 230; traillii 72:201, 217, 238
Phyllophoraceae 71:135; 72:216; 74: 269
Phymatolithon compactum 71:133; 72:210; 74:422; laevigatum 66:227; 71:154; 74:424, 427; lenormandi 71: 154; 72:117, 211, 238; 74:425; rugulosum 71:133
Phymosia 69:21
Physaliastrum 75:331-335, 336 (fig. 1); japonicum 75:364; savatieri 75: 364
Physalis 51:83; 69:82-84, 100, 203, 224, 319, 327, 441; 70:408, 574; 75: 146-149, 331-334, 336 (fig. 1); acuminata 69:105-106; acutifolia 69: 83, 91, 223-224; aequata 60:160; 69: 213; **aggregata** 69:86, 88, 108; alkekengi 60:107, 111, 128, 133; 62: 121; 69:219; ambigua 60:140; amica 69:85, 96; amphitrica 69:85-86, 97; **ampla** 69:91, 219; angulata 60:111, 162; 69:90-91, 216-217, 219, 222, 327, 441; f. ramosissima 69:218; var. angulata 60:112, 132, 162-163; 69:18; var. capsicifolia 69:218; var. **lanceifolia** 60:112, 132, 163; 69:216, 219; var. linkiana 60:162; var. **pendula** 60:112, 132, 163; var. ramosissima 69:218; angustifolia 60:108-109, 129, 137; 62:117; **angustior** 69:86, 88-89, 114; **angustiloba** 69:94, 320; **angustiphysa** 69: 92, 228; arborescens 69:83, 85, 95; arenicola 60:109, 139; var. arenicola 60:129, 139; var. ciliosa 60:129, 139; barbadensis 51:82; 60:164; 69: 321; obscura 51:82; var. **glabra** 51: 82; 60:165; var. obscura 51:82; 60: 165; calidaria 69:85, 97; campanula 69:86, 100; campanulata 69:203-204; capsicifolia 69:218; cardiophylla 60:159; 69:209; carnosa 69: 95, 238; carpenteri 60:128, 171; caudella 60:108, 112, 139, 158; 69: 87, 89, 117, 119; var. caudella 69: 118-119; var. **parva** 69:118-119; chenopodifolia 69:83, 90, 93, 107, 109-110, 213; var. chenopodifolia 69:109; f. **immaculata** 69:110; var. **exigua** 69:110; var. glandulosa 69: 111; var. **viridis** 69:110; chimalteca 69:83, 86, 98; ciliosa 60:108, 139; cinerascens 69:102; **cinerea** 69:86, 102; **clarionensis** 69:94, 326-327; 70:410; comata 52:171; 60:108, 157; **constricta** 69:86, 99; cordata 69:82, 94, 235-236, 322-323; 70:410, 575; coztomatl 69:83; crassifolia 60:107, 109, 111-112, 159, 170; 69:91, 206-209, 212; var. cardiophylla 60:159; 69:209; var. crassifolia 60:132, 159; 69:207-208, 210; f. crassifolia 69: 209; f. **muriculata** 69:209; subvar. **amplifoliata** 69:209-210; subvar. crassifolia 69:209-210; var. infundibularis 69:207-208, 211; var. **versicolor** 60:112, 132, 160; 69:206-207, 210, 212; curassavica 69:102; var. integrifolia 69:102; var. sinuatodentata 69:104; dentata 69:83, 224; dubia 69:217; eggersii 69:224-225; elliottii 57:279, 288; 60:134; eximia 69:83, 100-101, 227; fendleri 51:59; 52:171; 60:108, 158; 69:206; 74:83; var. cordifolia 60:158; 69:206; filipendula 69:207-208, 210; flava 69: 207-208, 211; floridana 60:108, 164; 69:323; foetens 69:93-94, 319-320; var. **neomexicana** 60:133, 168; 69: 320; francheti 60:133; fuscomaculata 60:134; **galapagoënsis** 70:409-410; galeottiana 69:113; galeottii 69:113; genucaulis 60:108, 160; 69: 210; glabra 69:91, 113, 206-207, 212; glutinosa 69:82-83, 86, 100, 102,

227; var. **eximia** 69:101; var. glutinosa 69:101; gracilis 69:87, 111, 113; grandiflora 51:82; 55:189; greenei 60:133, 170; 69:206-207; **greenmanii** 69:91, 226; halicacabum 69:219; hastata 69:206; **hastatula** 69:90, 111; hederaefolia 52:171; 60: 108-109, 111-112, 156; 69:88, 204, 207; var. **comata** 52:171; 60:131, 157; var. **cordifolia** 60:131, 158; 69: 204, 206; var. fendleri 60:111; var. hederaefolia 60:131, 156; 67:194; 69:205; 70:574; var. puberula 60: 156; 69:116, 205; 70:574; heterophylla 51:111; 60:68, 107-111, 140-141, 155; 62:119; var. ambigua 60: 140; var. clavipes 60:130, 141; var. heterophylla 60:130, 140; var. umbrosa 60:140; var. **villosa** 60:130, 141; **hintonii** 69:91, 226; hirsuta 69:323; var. barbadensis 69:321; var. integrifolia 60:166; var. repandodentata 60:165; hylophila 69:94, 325-326; ignota 69:93, 238, 322; ingrata 69:87, 107; ixocarpa 59: 182; 60:108, 112-113, 128, 131, 160; 69:213, 327; **jaliscensis** 69:92, 231; laevigata 69:213-214; lagascae 69: 91, 217, 220-222; var. glabrescens 69:221, 225; var. lagascae 69:220-221; lanceifolia 60:107, 163; 69: 219; lanceolata 60:107-108, 141, 155; var. hirta 60:138; var. laevigata 60:154; 69:87, 117; var. longifolia 60:154; var. spathulaefolia 60: 135; latifolia 60:141; 69:113; **latiphysa** 60:133, 169; 69:93, 238; leptophylla 69:94, 324-326; **lignescens** 69:92, 231; linkiana 60:107, 162; 69:217; lobata 52:36; 60:110-111, 113, 128, 171; 69:86, 225-226; 75:333, 364; f. **albiflora** 60:171; **longicaulis** 69:87, 212; longifolia 60:108, 112, 154; 69:119; 75:402; var. **hispida** 62:131; var. **subglabrata** 62:131; f. **macrophysa** 62:131; **longipedicellata** 69:93, 230; **luteoanthera** 69:86, 113; macrophysa 59:8; 60:108, 112, 153; 62:118-121, 131; maritima 60:133-134; maxima 69:82, 93, 232-233; mayana 69:83, 95-96; **mcvaughii** 69:89, 104; melanocystis 69:85, 98; var. **cernua** 69:85, 99; var. melanocystis 69:99; **michoacanensis** 69:90, 215; micrantha 69:220; microcarpa 69:91, 222; microphysa 69:88, 203-204; **mimulus** 69:90, 95, 211; minima 69:221-222; **minimaculata** 69:89, 219; minuta 69:95, 327; missouriensis 60:108, 111, 133, 169-170; 70:575; mollis 60:108, 135; 62:117-121; var. cinerascens 52:171; 60:136; 69:102; var. parvifolia 60:136; 69:102; monticola 60:108, 142; **muelleri** 69:88, 115; muriculata 60:159; 69:209; neomexicana 60:108, 168-169; 69:320; nicandroides 69:93, 233-234; var. **attenuata** 69:232, 235; var. nicandroides 69:234; nyctaginea 60:108, 140; obscura 51:82; 60:165; var. α glabra 51:82; var. β viscido-pubescens 51:82; var. glabra 60:107, 165; 69:236, 323; var. viscidopubescens 60:107, 164; 69:236, 323; orizabae 69:83, 89, 106, 111; palmeri 60:156; 69:205; **parvianthera** 69:90, 204; parviculea 69: 220-221; pedunculata 60:170; 69: 206-207; pendula 60:108, 163; 74: 150; **pennellii** 69:89, 116-117; pensylvanica 60:107, 136; 69:102; var. cinerascens 60:136; 69:102; pentagona 69:238-239; peruviana 60:107-108, 130, 141; 69:83, 113-114; var. latifolia 60:141; 69:113; philadelphica 69:87, 89-91, 113, 213, 218, 327; var. **immaculata** 69:215; 70: 574; var. minor 69:213; var. **parviflora** 69:215; var. philadelphica 69: 214; f. philadelphica 69:214-215; f. **pilosa** 69:214; philippensis 69:87, 92, 117; polyphylla 60:108, 156; porphyrophysa 69:85, 96; **porrecta** 69:94, 237-238, 322; 70:410; pringlei 69:91-92, 227; var. **curtiloba** 69:228; var. pringlei 69:228; pruinosa 60: 167; puberula 69:107, 109-110; pubescens 57:288; 60:111-112, 164, 166, 170; 69:94, 221-222, 236, 322-323, 325, 441; 70:575; var. **glabra** 60:132, 165; 69:236, 323; 70:575; var. **grisea** 60:132, 167; 65:78; var. **integrifolia** 60:132, 166; var. minutiflora 69:323-324; var. **missouriensis** 70:575; var. pubescens 60: 132, 164; 70:575-576; pumila 60: 108, 129, 138; var. sonorae 60:154; 69:119; purpurea 69:91, 211; ramosissima 69:218; rigida 60:108, 154; 69:119; rotundata 60:108, 157; rydbergii 69:88, 90, 212; rzedowski 69:230; sabeana 60:171; 69:225; saltillensis 69:102-103; sancti-josephi 69:86, 89, 114; schiedeana 69: 111-112; similas 74:83; sinensis 75: 364; sinuata 60:108, 140; sonorensis 69:208, 210; sordida 69:89-90, 115, 117; sp. 51:59; stapelioides 69:86, 105; subglabrata 55:225; 60:108, 152; 62:131; 75:402; subintegra 69: 106-107; **subrepens** 69:92, 229-230; subulata 69:93, 319-320; var. **neomexicana** 69:320; var. subulata 69:

320; **sulphurea** 69:91, 224-225; **tehuacanensis** 69:87, 203; texana 60:153; turbinata 60:164-165; 69: 92, 94, 236, 321-322, 441; 70:575; **turbinatoides** 69:94, 321; **variovestita** 60:129, 137-138; 62:117-118, 120; versicolor 60:108, 160; 69: 208, 210; var. microphylla 69:208, 210; **vestita** 69:92, 236; villosa 69: 323; virginiana 51:111; 60:107, 109, 111, 141-142, 155; 62:118-119; 69: 87, 89-90, 118, 209, 213; f. **macrophysa** 60:153; 62:118; 69:209; var. ambigua 60:140; var. **campaniforma** 60:130, 156; var. **hispida** 60:130, 154; 62:131; var. intermedia 60:142; var. **longiseta** 69:119-120; var. **nana** 69:119; var. **polyphylla** 60:131, 156; 69:118; var. **sonorae** 60:111-112, 131, 154; 69:119; var. **subglabrata** 60:111-112, 152, 160; 69:213; f. macrophysa 60:130; f. subglabrata 60: 130; var. **texana** 60:131, 153; var. virginiana 60:111-112, 130, 142; **viridoflava** 69:92, 230; viscido-pubescens 60:164; 69:323; viscosa 60: 107, 111-112, 133, 136-137; 62:117; 69:83, 86, 102; f. elliottii 60:134; f. **latifolia** 60:134; subsp. **maritima** 60:134; subsp. **mollis** 60:135; 62: 117-118; subsp. viscosa 60:133; var. cinerascens 60:110, 129, 136, 138; 69:102, 104; var. **elliottii** 60:134; f. elliottii 60:129; f. **glabra** 60:129, 135; var. maritima 60:110, 134, 137; f. latifolia 60:129; f. maritima 60:129; var. mollis 60:110, 129, 136, 138; var. sinuatodentata 69:103; var. spathulaefolia 60:110, 129, 135; 69:103; var. **yucatanensis** 69:104, 322; **volubilis** 69:92, 229-230; walteri 60:108, 134; wrightii 60:108, 111, 128, 132, 161, 171; 69:223; 75: 333

Physalospora obtusa 73:307-308; thistletonia 71:201

Physcia aipolia 60:83; ascendens 60: 83; elaeina 60:83; leptalea 60:83; leucoleiptes 60:83; millegrana 60: 83; orbicularis 60:83; f. rubropulchra 60:83; pulverulenta 60:83; stellaris 60:84; f. tuberculata 60:84; var. rosulata 60:84; tribacia 60:83

Physcomitrella patens 62:156

Physcomitrium pyriforme 62:156; turbinatum 53:124; 62:156

Physocarpus 53:205; intermedius 53: 205; monogynus 56:208; opulifolius 53:204, 206; 55:51, 164; 61:21; 69: 310, 318; var. intermedius 52:169; 53:206; 63:146

Physostegia 51:120-121; 65:58; 70:35; angustifolia 51:122; 54:129, 258; 65:58-62; **correllii** 51:120-121; denticulata 66:380; digitalis 51:122; formosior 65:63; 74:393; f. **alba** 52:58; intermedia 51:122; 65:58-62; parviflora 65:58-62; 74:393; speciosa 51:121; 55:188; 65:58-64; virginiana 51:121; 65:58-64; 74:393; f. candida 65:63; var. speciosa 55:188

Physurus hirtellus 67:325; plantagineus 67:325

Phytodiniales 73:286

Phytolacca 69:404; americana 52:294; 53:41; 57:285; 60:67, 301, 303; 64: 150; 66:379; 71:20, 25, 32; icosandra 63:342, 344; purpurascens 73:48; 75:415; rigida 57:277; rivinoides 69:404

Phytolaccaceae 52:294; 60:301; 63: 342; 64:150; 67:329; 69:404; 71:32; 73:48; 75:415

Piaropus crassipes 67:323; diversifolius 67:323

Picea 54:232-234; abies 51:366; 65: 74; 70:562; brevifolia var. semiprostrata 71:1-2; canadensis 55: 100; engelmanni 58:180; glauca 52: 277; 53:6; 55:41, 45, 100; 58:52; 65:84, 88, 155; 68:523; 72:509; 75: 314; jesoensis 73:213; mariana 52: 277; 55:6, 41-42, 46-47, 100; 58:52, 246, 323; 63:284, 288; 65:88, 155; 67:92; 70:206-207, 210, 212, 562; 71:1; 72:509; 75:314; f. semiprostrata 71:2; var. brevifolia 71:2; var. **semiprostrata** 71:1-2, 3 (fig. 1), 4-6; rubens 51:366; 55:6; 59:252; 61:23; 62:90; 63:65, 68-69; 65:88; 67:92; 68:523; 72:281, 418, 509; 75: 314

Pickeringia 70:531; montana 70:524 (fig. 3, map), 531; var. tomentosa 70:531

Picradeniopsis dealbata 66:298; oppositifolia 66:286; woodhousei 66: 179, 290

Picramnia 69:417; pentandra 69:417

Picrasma antillana 67:336; excelsa 67:336

Picris hieracioides 60:29

Pictetia 69:414; aculeata 69:414

Pieris floribunda 52:296; 65:283; phillyreifolia 65:361; 66:380

Pilaiella (see Pylaiella)

Pilaisaea 52:72

Pilayella (see Pylaiella)

Pilea 69:401; fontana 60:13, 295; 63: 20, 42; hernarioides 69:401; microphylla 66:12; 69:401; nummulariaefolia 69:401; opaca 60:13, 295; 63: 21; parietaria 72:343; pumila 57:

313; 60:13, 67, 295, 297, 302; var. deamii 60:295; sanctae-crucis 69: 401; serpyllifolia 73:47; tenerrima 69:401
Pileolaria brevipes 73:96; klugskistiana 73:96; shiraiana 73:96
Pileostegia 53:232
Pilinia lunatiae 71:117
Pilophoron 56:107-108, 113
Pilosocereus 69:428; nobilis 69:375; royenii 67:341; 69:428
Pilostyles 70:426
Pimenta 69:431; dioica 67:343; pimenta 67:343; racemosa 67:342; 69:431; var. grisea 67:342; 69:431
Pimpinella 69:433; anisum 69:433; saxifraga 53:269
Pinaceae 52:278; 55:100; 62:180; 71: 31; 75:314
Pinckneya 56:256
Pinguicula 59:217; subgen. Isoloba 59:217; subgen. Orcheosanthus 59: 225; subgen. Pionophyllum 59:223, 225; alpina 59:223, 225; australis 59:228; caerulea 59:217-219, 222 (figs. 15-17, 31), 223, 225-227; 71: 33; campanulata 59:227; camtschatica 64:212-213; **casabitoana** 62: 238; daurica 64:212-213; edentula 59:227; elatior 59:227; floridensis 59:228; grandiflora 59:225; ×hybrida 59:225; lignicola 62:238; lusitanica 59:217; lutea 59:217, 218 (fig. 10), 219, 222 (figs. 18-22), 224-228; 71:33; macroceras 64:212-215, 216 (fig. 1), 217 (fig. 2), 218 (map), 219; var. macroceras 64:212-213; var. microceras 64:215; microceras 64:212-213, 218-219; planifolia 59:217, 218 (figs. 8-9), 219, 221, 222 (figs. 26-29), 225-226, 229; **primuliflora** 59:218 (figs. 1-7), 219, 221, 222 (figs. 11-14, 30), 224-226, 229; pumila 59:217-219, 221, 222 (figs. 23-25), 224-226, 228-229; var. buswellii 59:228-229; ×scullyi 59: 225; villosa 59:225; vulgaris 53:9; 55:51, 76, 191, 349-352; 59:223-225; 60:253; 64:182-183, 212-215, 216 (fig. 1), 217 (fig. 3), 218-219; 68: 412 (fig. 5, map), 416, 418; 70:184, 212
Pinnularis nobilis 64:56
Pinus 54: (pl. 1184); 70:224; 71:337-338; attenuata 54:73-74; australis 51:230; 54:69; 56:256; ayacahuite 68:16; banksiana 51:9; 52:273; 54: 7; 55:41, 44-45, 101; 56:204; 65: 165, 285; 66:29; 74:389; benthamiana 54:73; bracteata 54:74-76; californiana 54:71-74; californica 54: 72-74; canadensis 57:334-335; caribaea 73:206; cedrus 54:67-68; cembra 54:72; cembroides 73:375; var. edulis 51:19, 23; 52:21, 40; chiapensis 68:1, 2 (fig. 1, map), 4-5, 8 (pl. 1319), 10 (pl. 1319), 11, 14-16, 20-21, 23; clausa 64:232, 234; 65:280, 360; contorta 68:3; densiflora 73:213; douglasii 57:333; echinata 51:116; 54:68, 71, (pl. 1184); 57:319; 60:292; 62:239-241; 69:331; 73:491; edulis 52:174; 56: 207; 60:270; elliottii 66:375; 70: 573; 71:31; 72:19; 75:177; var. densa 57:278, 283; flexilis 68:13; glabra 54:67-68, 70-71, (pl. 1184); griffithii 68:16; insignis 52:5; leiophylla 62:181; 74:350; lutea 54:67-69, 71; maritima 54:72; michoacana 62:181; montezumae 62:177 (fig. 1), 180-181, 184; 63:343; monticola 68:2 (fig. 1, map), 4, 8 (pl. 1318), 10 (pl. 1319), 12, 14-15, 20-21, 23; ×strobus 68:23; mucronata 57:333; mugo 51:6; 61:121; nigra 66:29; oocarpa 68:14; palustris 54:67-71; 58:25; 65:360; 66:30, 379; 70:290; 71:31; 73:491; parviflora 68:16; peuce 68:16; pinaster 54:72; pinea 54:68; ponderosa 52:21, 40, 174; 54: 73; 56:208; 58:180; 66:28; 74:350; pseudostrobus 62:181; radiata 52:5; resinosa 52:273; 55:45-46, 101; 57: 299; 61:122; 63:65; 64:18, 19 (pl. 1265), 98-99; 65:74; 66:27-28; 67: 374, 386-387, 389; 72:509; rigida 57:194, 299; 60:71; 70:220, 224; 71: 20, 22; 72:509; rudis 67:37; sabiniana 73:186; serotina 54:68; 58: 25; 66:375, 380; 70:290; squarrosa 54:67-68, 71, (pl. 1184); strobiformis 68:13; strobus 51:8, 393; 52: 272; 55:45, 101; 56:82, 83 (map 1); 57:34, 113, 194, 299; 59:120, 122; 60:67, 329; 61:21, 122; 63:65, 68, 288; 67:402; 68:1, 2 (fig. 1, map), 4-5, 7, 8 (pl. 1318), 10 (pl. 1319), 11-12, 14-16, 20-21, 23; 72:280-281, 509; var. chiapensis 56:82; 68:1-2, 4-5, 14; sylvestris 63:150; 71:21-22, 167; taeda 51:20, 28; 54:68-69; 66: 30, 159, 379; 70:224; 71:31; 73:111, 501, 504, 506, 512, 514; taxifolia 57: 333-334; teocote 62:181; thunbergii 73:213; tuberculata 54:73; venusta 54:74, 76; virginiana 72:79
Piper 69:400; amalago 69:400; chaba 71:439; citrifolium 67:327; glabrescens 67:327; hispidum 67:327; leptostachyon 66:20; peltatum 67: 327; scabrum 67:327; treleaseanum 67:327; umbellatum 67:327; wydlerianum 67:327

Piperaceae 67:327; 69:400; 70:126
Piperia 52:286
Piptadenia 70:118, 125, 330-331, 333; niopo 70:331; peregrina 67:332; 70: 114, 117-118, 125-126, 128, 331, 333
Piptochaetium 68:98, 270; panicoides 68:270; f. subpapillosum 68:270; setifolium 68:270; tuberculatum 68: 270
Piptocoma 69:449; antillana 67:354; 69:394, 449; rufescens 67:354; 69: 449
Piqueria laxiflora 64:252; pilosa 64: 260 (fig. 6), 263, 272, 274; trinervia 64:263
Piricauda **aphales** 61:93, 95, 116 (pl. 1244); **arcticoceanorum** 61:91, 95, 120 (pl. 1248); **aspera** 61:90, 96, 114 (pl. 1242); **bogoriensis** 61:91, 96, 116 (pl. 1244); **chartarum** 61: 93, 96-97, 113 (pl. 1241); **composita** 61:91, 98, 119 (pl. 1247); **curvata** 61:89, 94, 98, 117 (pl. 1245); **damonis** 61:93, 98, 115 (pl. 1243); **elliptica** 61:91, 99, 114 (pl. 1242); **exasperata** 61:93, 99, 119 (pl. 1247); **funerea** 61:93, 99, 111 (pl. 1239); **fusus** 61:89, 94, 99, 117 (pl. 1245); **globifera** 61:90, 99, 111 (pl. 1239); **heteromera** 61:94, 99, 113 (pl. 1241); **itochna** 61:94, 100, 115 (pl. 1243); **manilensis** 61:91, 100, 116 (pl. 1244); **melonopus** 61:90, 100, 117 (pl. 1245); **nitens** 61:88, 93, 101-102, 111 (pl. 1239), 112 (pl. 1240); **nodosa** 61:91, 102, 119 (pl. 1247); paraguayensis 61:89, 92, 102; pelagica 61:91, 103; **pulchella** 61:93, 103, 114 (pl. 1242); **putredinis** 61:90, 103, 118 (pl. 1246); **quadrata** 61:92, 103, 120 (pl. 1248); **sacchari** 61:93, 103, 112 (pl. 1240); **sarkara** 61:93, 104, 110 (pl. 1238); scorobylos 61:93, 104; **serendipita** 61:88, 92, 104, 109 (pl. 1237); stigia 61:88; **striata** 61:90, 104, 115 (pl. 1243); **stygia** 61:90, 104, 109 (pl. 1237), 110 (pl. 1238); **subcuticularis** 61:93, 105, 118 (pl. 1246); **suffulta** 61:90, 105, 109 (pl. 1237); **trichophila** 61:92, 105, 112 (pl. 1240); **trigonella** 61:92, 105, 113 (pl. 1241); **tumulosa** 61:92, 105, 114 (pl. 1242); **ulmicola** 61:89, 94, 105-106, 118 (pl. 1246); **vernoniae** 61:91, 106, 111 (pl. 1239); **viticola** 61:93, 106, 119 (pl. 1247)
Piriqueta 64:147; 66:100; caroliniana 57:278; 66:100, 101 (fig. 1), 102-103, 105-108, 379; 75:419; var. caroliniana 66:100, 103-104, 108; var. glabra 57:287; cistoides 66:107-108; glabrescens 64:152, 157 (fig. 25); tomentosa 64:152, 157 (fig. 26); 75: 419; viridis 75:419
Piscidia 69:414; piscipula 57:286; 67: 334; 69:414
Pisolithus tinctorum 61:127, 135
Pisonia 69:404; floribunda 75:143; fragrans 69:404; subcordata 69: 404;
Pitcairnia 71:35, 225; angustifolia 70: 417; bangii 71:45; biattenuata 71: 228; brittoniana 71:226, 230; cardenasii 71:226, 229; consimilis 71: 46; crassa 71:226, 229; divaricata 71:226-227; ferruginea 71:46; grandiflora 71:44; inermis 71:226, 228; lanuginosa 71:226, 229; mirabilis 71:50; **mituensis** 65:7, 8 (pl. 1279), 9; multiramosa 71:226; nana 71:54; odontopoda 71:226-227; paniculata 71:226, 228; platystemon 71:226; rigida 71:229; robusta 71:43-44; sessiliflora 71:229-230; subpetiolata 71:229; trianae 71:226, 228
Pitcheria galactoides 64:60
Pithecellobium 69:409; 70:492; saman 69:410; unguis-cati 57:277, 286; 67: 331; 69:409
Pithecolobium flavovirens 66:6
Pityopsis 51:114
Pityrogramma (see also Pityrogramme); calomelanos 62:177 (fig. 1), 180; 63:343; tartarea 62:177 (fig. 1), 180, 183-184; 63:341, 344; triangularis 57:220, 236
Pityrogramme trifoliata 67:357
Plagiochila asplenioides 53:121; 72: 276-278; sullivantii 53:127; 59:254; tridenticulata 59:253; yokogurensis subsp. fragilifolia 59:254, 256
Plagiochilaceae 53:121
Plagiophiale petrakii 68:189
Plagiopus oederi 52:74; 62:170; f. alpinus 52:74; var. condensatus 52: 74; serratus 52:74
Plagiostigma petrakii 68:189
Plagiotheciaceae 62:147, 166
Plagiothecium denticulatum 59:258; 62:166; 72:493; elegans 62:166; latebricola 62:166; micans 53:126; 62:166; var. fulvum 62:166; roseanum 62:166; ruthei 62:166; striatellum 58:249; 62:167; sylvaticum 53:126; 62:166; turfaceum 62:166; undulatum 62:170
Planaltoa 72:100, 104; lychnophoroides 72:104-105; salviifolia 72:104
Planera aquatica 51:133; 64:90
Planktosphaeria gelatinosa 64:56
Plantaginaceae 52:297; 55:191; 63: 212; 66:14; 69:444; 75:320, 421

Plantago 69:444; 72:387; altissima 72:525; arenaria 53:270; aristata 60:24; asiatica 55:192; eriopoda 53: 19; hookeriana 75:403; var. nuda 60:10, 24, 30; indica 53:270; insularis var. fastigiata 68:428; juncoides 54:203; 65:365; 71:515; 75:56; var. decipiens 57:302; 64:346; 65: 94; 66:151; 71:523; 72:525; 75:320; var. glauca 53:4; 65:94; 66:151; 75: 321; var. laurentiana 65:94; 66:151; lanceolata 52:297; 53:225; 60:66; 72:525; var. sphaerostachya 65:75; major 53:13, 159; 55:191; 60:66; 64:346; 65:94; 69:444; 71:523; 72: 393; 75:320; var. asiatica 55:192; var. major 72:525; var. pachyphylla 55:191; var. pilgeri 53:13; 55:191; 72:525; maritima 70:443-444, 448; 72:372; minima 68:428; oliganthos 53:19; 71:21, 27, 523; 72:525; 75: 56, 321; var. fallax 65:94; patagonica 60:24; 75:403; purshii 51:24; 55:192; rugelii 60:68; 63:289; scariosa 68:428; virginica 55:53, 83, 192; 66:14, 379; 75:421; wrightiana 52:20; 60:24; 75:403

Platanthera hyperborea 53:157; menziesii 52:63-64

Platanaceae 63:51

Platanus 71:544, 546; ×acerifolia 71: 546; mexicana 71:546; occidentalis 61:21; 62:200; 63:51-52; 71:546; var. glabrata 71:546; orientalis 71: 546; racemosa 71:546; wrightii 71: 547

Plateilema palmeri 59:106

Platonia bairdii 71:135

Platygyrium repens 53:126; 62:167

Platyhypnidium rusciforme 62:164

Platylomella lescurii 62:164

Platypetalum dubium 54:283; purpurascens 54:52, 54

Platypus altus 67:327

Platyschkuhria integrifolia 66:308-309; oblongifolia 66:309; **ourolepis** 66:309

Platysepalum 51:222

Platyzoma microphyllum 63:92, 96 (figs. 1-12)

Plectonema battersii 66:224; calothrichoides 75:293; nostocorum 58:121; terebrans 75:293; tomasinianum 58: 121

Plectosphaeria salicis 68:189

Pleienta 57:4, 78; capitata 57:97; dodecandra 57:86; fasciculata 57: 103; flexuosa 57:91; gentianoides 57:100; leucantha 57:86; quinquenervia 57:103; rigida 57:103

Pleosphaeria echinata 71:194

Pleospora 71:197; calvescens 64:136; laricina var. laricina 64:136; nigerrima 71:193; pulchra 64:136; sp. 73:308; straminis 64:136; vitalbae 71:196 (fig. 10), 198

Pleosporaceae 71:196-197

Pleuridium acuminatum 62:152; palustre 62:152; subulatum 53:123; 62:152

Pleurocapsa kerneri 71:154

Pleurocarpus 64:58

Pleurococcus vulgaris 64:56

Pleurocoronis 69:35, 43; gentryi 69: 35-36, 37 (pl. 1338), 43 (fig. 11, map), 240 (pl. 1338); laphamioides 69:36 (figs. 5-9), 41 (pl. 1339), 42, 43 (fig. 11, map); var. laphamioides 69:40, 42, 43 (fig. 11, map); var. **pauciseta** 69:42, 43 (fig. 11); pluriseta 69:36 (figs. 1-4), 38 (fig. 10), 42, 43 (fig. 11, map)

Pleurogyne carinthiaca 53:50

Pleuropogon sabinii 54:48, 278

Pleurostachys 67:114; minuscula 67: 124; puberula var. buchtienii 67: 124

Pleurotaenium coronatum 63:278; 64: 56; ehrenbergii 73:65; maximum 63:278; 64:56; nodosum 69:58; nodulosum 69:58; trabecula 58:121; 63:278; 64:56; 71:457

Pleurothallis appendiculata 67:326; broadwayi 67:326; disticha 61:2, 6; foliata 67:326; ghiesbreghtiana 58: 291; longissima 67:326; microlepanthes 59:250; prostrata 59:250; racemiflora 59:250; ruscifolia 59: 250

Pleurotus 71:190 elongatipes 68: 184-185

Pleurozium schreberi 58:249; 62:166

Plicaria trachycarpa 71:201

Plinia dusii 67:343

Plowrightia staphylina 65:303-304

Pluchea 69:449; carolinensis 67:355; 69:449; foetida 55:15-16; 66:380; odorata 64:264; 67:355; 69:449; petiolata 60:206; purpurascens 57: 278, 289; 64:265; 69:449; 71:20; var. succulenta 71:28; rosea 57: 289; 71:34; suaveolens 70:230 (fig. 19), 232, 238

Plukenetia verrucosa 69:251-252; volubilis 69:251-252

Plumaria elegans 71:137; 72:117, 200-201, 223, 231-232, 238, 324, 334; 74:425, 428

Plumbaginaceae 69:433; 72:24; 75: 320

Plumbago 69:433; auriculata 69:433; capensis 69:433; floridana 66:19; scandens 66:19; 69:433

Plumeria 69:435; 70:417; alba 69: 435; 70:417; inaguensis 66:6; krugii 67:346; obtusa 67:345; var. sericifolia 66:13; portoricensis 67:346; rubra 69:435; sericifolia 66:13
Plurimaria 57:96
Poa 53:41; 54:14, 198; 61:272; 68:102-103, 116; sect. Nevadenses 54:98; abbreviata 54:35, 51, 282; alpigena 71:299, 504; 74:367; alpina 53:7, 9; 65:213; 68:411 (fig. 1, map), 416, 418; var. β 72:346; alsodes 54: 224; 56:245; 57:304; 59:234; androgyna 68:119; angustata 54:278; angustifolia 55:119; annua 54:142; 55:119; 58:246; 64:344; 65:88; 68: 116, 119; 71:519; 72:570; 75:314; arachnifera 64:355; arctica 54:40-41, 51, 54, 278, 282; 55:248; 65: 212; subsp. arctica 65:212; arida 70:451; asperiflora 68:116, 118; bigelovii 74:82; boliviensis 68:118; brevipaniculata 56:210; buchtienii 68:116; var. subacuminata 68:116; bulbosa 72:346; canbyi 53:12; candamoana 68:116, 120; chapmaniana 51:127; 62:262; cilianensis 56:26; compressa 55:46, 119; 57:302; 60: 65; 65:88; 71:519; 72:510; 73:105; 75:314; cookii 75:240; cristata 58: 94; cuspidata 51:127; denticulata 68:116, 119; dumetorum 68:119; var. unduavensis 68:119-120; eminens 51:99; 54:202; fendleriana 56: 210; 63:41; 74:82; fernaldiana 55: 121; glauca 54:221; 55:120, 248; 56: 245; 65:212; subsp. conferta 55: 120; var. laxiuscula 55:120; subsp. glaucantha 55:120; glaucantha 56: 243, 245; 57:301, 303-304; 68:411 (fig. 1, map), 416; 70:181; gymnantha 68:116-117; var. aperta 68: 117; hieronymi 68:116, 118; horridula 68:116, 119; humillima 68: 116-117; interior 55:46, 119; irrigata 53:10; 71:299; kerguelensis 75:240; komarovii 65:212-213; lanata 65:212-213; languida 59:234; lilloi 68:116, 118; longipedunculata 56:209; myriantha 68:118; nemoralis 55:120; 72:510; var. interior 55: 119; var. montana 55:120; palustris 53:20; 55:45, 47, 120; 58:246; 59: 234; 63:136; 64:358; 65:88; 68:518; 71:519; 75:314; paradoxa 51:127; pectinata 58:94-95; perligulata 68: 117; pflanzii 68:118; pratensis 55: 119; 57:302; 60:67; 65:88; 68:116, 118; 71:298-299, 519; 72:510; 75: 314; var. angustifolia 55:119; pyramidata 58:94; rupicola 72:498; saltuensis 55:79, 119; var. microlepis 53:11; 55:79, 119; scaberula 68:116-117; scopulorum 55:52-53, 80, 83, 120; subcaerulea 71:297-299, 302; ×tormentuosa 55:120; trivialis 59: 233-234; 69:377; vallesiana 58:95
Poaceae 67:317; 71:31, 497
Pocophorum 73:161
Podalyria 56:256; mollis 70:45
Podocarpus coriaceus 67:356
Podochaenium eminens 64:260 (fig. 13), 266
Podocoma 70:233; hirsuta 70:230 (fig. 14), 232, 238
Podocystis adriatica 70:292, 293 (pl. 1383); spathulata f. anastomosans 70:293
Podophania 69:352; dissecta 69:353; ghiesbreghtiana 69:353
Podophyllum peltatum 52:294; 54: 132, 303; 55:20; 58:83; 62:111, 115; 63:267-268, 269 (pl. 1262), 271 (pl. 1263), 273 (pl. 1264), 274; 66: 167; f. aphyllum 57:267; f. **biltmoreanum** 54:134; f. deamii 54:131, 133; 55:20; 61:24; 66:167; f. polycarpum 61:25
Podosphaera clandestina var. clandestina 68:189; oxyacanthae var. oxyacanthae 68:190
Podostemaceae 63:50-51
Podostemum 54:26; ceratophyllum 52:162; 63:50-51, 53-54
Podostigma pedicellata 54:176; pubescens 54:177
Poecilanthe 51:222
Pogonatum aloides 62:170; alpinum 62:169; var. septentrionale 72:500; brachyphyllum 53:122; 62:171; capillare 62:169; pensylvanicum 53: 122; 62:169; urnigerum 62:169
Pogonia 53:72; affinis 71:304; macrophylla 67:325; ophioglossoides 51: 116; 53:83-84; 55:83, 140; 57:113; 58:32; 67:373; 70:196-198; 71:20, 24, 32; 72:514; 73:257; f. albiflora 53:83; pendula 58:33-34; 71:509; trianthophora 58:31
Pohlia annotina 62:157; var. decipiens 59:26; atropurpurea 62:171; bulbifera 62:157; cardotii 72:500; cruda 54:48, 51; 62:157; elongata 62:157; longicolla 54:157; nutans 58:249; 62:157; proligera 59:26; pulchella 62:157; rothii 59:26; 62: 157; wahlenbergii 53:124; 62:157
Poicillopsis crispiflora 62:238; tuerckheimii 62:238
Poinciana pulcherrima 67:333; 69: 410; regia 73:50
Poinsettia cyathophora 69:374; 75: 417-418; dentata 60:17; geniculata

69:374; heterophylla 69:374, 419; 75:418; pulcherrima 69:419
Poiretia procumbens 64:89
Poissonia 51:222
Polanisia dodecandra 56:65, 68-69, (pl. 1201); 68:41-42, 46-48; 75:389; subsp. dodecandra 68:47; subsp. **trachysperma** 68:47; graveolens 56:66, 68-69; 63:43, 47, 53; 68:41-42, 45-46; trachysperma 63:43; 68:47; uniglandulosa 68:47
Polemoniaceae 51:76; 71:33
Polemonium acutiflorum 65:220; boreale 55:247, 251; caeruleum 51:7, 76; delicatum 58:113-114; **longii** 51:76, 77, (pl. 1144); occidentale 58:113; pulcherrimum 58:113; reptans 51:76-77, (pl. 1145); 52:268; 58:103-104, 112-115; var. reptans 58:103-104, 105 (fig. 1, map), 106 (fig. 2), 107, 108 (fig. 3), 109, 110 (fig. 4), 111 (fig. 5), 112-115; var. villosum 58:103-105, 106 (fig. 2), 107, 108 (fig. 3), 109, 110 (fig. 4), 111 (fig. 5), 112-115; van-bruntiae 51:7, 76-78, (pl. 1145); 58:113
Polycarpaea 65:35, 42 (fig. 2); brasiliensis 64:180; corymbosa 64:179-180; 65:41, 43; var. brasiliensis 64:180; 65:43; cuspidata 65:44; **nebulosa** 65:35, 36 (pl. 1280), 37 (pl. 1281), 38 (fig. 1), 39 (pl. 1282), 40 (pl. 1283), 43
Polycnemum arvense 58:44; majus 58:44; 69:31
Polycystis aeruginosa 64:56; incerta 64:56
Polyedrium 64:58
Polygala 54:292; 55:355; 56:256; 59:51; sect. Adenophora 72:67-68; sect. Eurhinotropis 64:105, 110, 113; 72:67-68; sect. Hebeclada 64:104-105, 110, 113; sect. Microthrix 64:105, 111, 113; sect. Monninopsis 64:104-105, 112-113; sect. Timutua 64:104-105, 111-113; subsect. Adenophora 72:68; subsect. Eurhinotropis 72:69-70; aboriginum 59:51, 55; alba 64:105, 107 (fig. 1), 111; var. suspecta 64:225; alpestris 64:110; alpina 64:110; amara 64:103, 110; subsp. amarella 64:110; subsp. brachyptera 64:110; boykinii 64:111; 72:19; var. boykinii 72:19; var. sparsifolia 72:19-20; var. **suborbicularis** 72:19; brevifolia 51:136; calcarea 64:110; chamaebuxus 64:110; chapmanii 64:105, 107 (fig. 2), 111; comosa 64:110; corallicola 72:21; cowellii 67:336; **crenata** 59:51-55; cruciata 64:105, 107 (fig. 3), 111; 71:32; cumulicola 72:20; curtissii 52:263; 64:107 (fig. 4), 111; cymosa 71:32; **erythrorrhiza** 72:69-70; **evolvulacea** 72:67-68; flagellaris 72:20; glandulosa 72:68; grandiflora 64:107 (fig. 5), 110; 72:20; 73:494; var. angustifolia 72:21; var. grandiflora 72:20-21; var. leiodes 72:21; var. leptophylla 72:21; hookeri 51:136-137; incarnata 57:286; 71:32; japonica 64:103, 110; lewtonii 59:51-53; lindheimeri 72:70; lutea 64:111; 71:32; macradenia 72:67-68; var. glanduloso-pilosa 72:67-68; major 64:110; mariana 64:107 (fig. 7), 111; 71:32; miamiensis 72:20; myrtifolia 64:103, 110; nana 64:107 (fig. 8), 111; nicaensis subsp. corsica 64:110; nitida 72:70; nuttallii 64:106, 107 (fig. 9), 112; ovatifolia 64:111; paludosa 73:159; paucifolia 52:295; 53:7; 54:27-28; 55:171, 295; f. alba 54:28, 292; f. **caerulea** 54:27-28, 292; penaea 67:336; phoenicistes 72:68; polygama 55:295; 59:51-55; 73:111; f. albiflora 59:55; f. obovata 59:51, 54; var. abortiva 59:55; var. obtusata 59:51, 55; 64:107 (fig. 10), 112; var. polygama 64:112; var. ramulosa 59:55; portoricensis 67:336; praetervisa 64:104, 107 (fig. 11), 112; 72:20; ramosa 64:107 (fig. 12), 111; reducta 64:105, 107 (fig. 13), 111; rugelii 64:107 (fig. 14), 112; sanguinea 51:111; 72:521; f. albiflora 54:255; 64:357; scoparia 64:105, 107 (fig. 6), 111; scoparioides 64:107 (fig. 15), 111, 227; senega 74:392; var. latifolia 73:302; serpyllifolia 64:110; **shinnersii** 64:225-226; sparsifolia 72:20; triflora 64:110; tweedyi 64:110; 72:69-70; vayredae 64:110; **vergrandis** 64:226; verticillata 64:106; var. isocycla 64:107 (fig. 16), 112; virgata var. speciosa 64:110; vulgaris 64:110; wightiana 66:13
Polygalaceae 52:295; 55:171; 63:211; 66:13; 67:336; 71:32; 72:19
Polygonaceae 52:294; 54:19; 55:145; 60:298; 63:211; 64:147, 150; 67:328; 69:402; 70:410; 71:515; 73:48; 75:317
Polygonatum biflorum 53:81, 88; 54:252; 55:48, 173, 225; 56:2; 60:292-293; 63:20; f. ramosum 52:56; canaliculatum 52:56; 53:81, 87; 57:131; 60:292; 66:312; 68:458; f. **foliatum** 52:56; var. **rotundifolium** 52:55; commutatum 60:292-293; 68:458; 73:498, 514; f. foliatum 52:56; latifolium 53:81, 88; **pubescens**

52:293; 53:81, 85; 55:139, 225; 60: 292-293; 63:295; 72:514; f. fultius 53:81
Polygonella 75:386; americana 60: 206; 73:492; articulata 60:298, 303; basiramea 64:234; fimbriata 75: 386; polygama 70:290
Polygonum 54:19; 70:221; sect. Echinocaulon 72:182; acanthophyllum 72:187; achoreum 52:18; 55:146; 60:298, 303; acuminatum 67:328; allocarpum 60:298, 304-305; 75:317; amphibium 73:257; 75:317; f. terrestre 60:298, 305; 73:257; var. stipulaceum 55:146; 60:298, 302; f. fluitans 60:298, 302; f. hirtuosum 60:298; f. simile 60:298; apoënse 54:25; arifolium 60:206; 72:182; var. pubescens 60:298, 302-303; aviculare 55:146; 60:65, 298, 304; 63: 288; 65:91; 71:306, 520; var. littorale 55:225; 60:298, 304; 64:345; 65:91; 70:443; 72:516; var. vegetum 60:298, 304; 65:91; 71:169, 306; 72: 516; beyrichianum 72:182-183, 186-187; bicorne 59:265; bistorta 60: 298, 305; subsp. plumosum 55:248-249; 65:216; 71:505; bistortoides 64:119-120; careyi 60:298, 302; 72: 516; cespitosum var. longisetum 59:31; 60:298, 305; 66:54; chamissoanum 72:187; cilinode 53:11; 55: 146; 60:298, 302; 72:516; f. erectum 60:298, 302; 72:516; coccineum 55: 225; 60:298, 302; f. natans 60:298, 302; 73:257; convolvulus 53:157; 55:146, 225; 60:65, 298, 304; 63: 288; 65:91; 71:520; var. convolvulus 72:516; var. subalatum 60:298, 304; 72:516; cristatum 60:298, 303; cuspidatum 54:209; 60:298, 305; 65:75; densiflorum 67:328; douglasii 55: 53, 80, 146; 60:298, 302; 63:42; dubium 60:298, 305; dumetorum f. cristatum 52:167; erectum 55:145; 60:298, 303; 75:386; exsertum 60: 299, 304; filiforme 54:23; fowleri 60:299, 305; geniculatum 72:183, 187; glaucum 60:299, 304; hirsutum 60:13; hydropiper 55:47, 146; 60:67, 299, 302; 72:516; 75:57, 317; var. projectum 60:299, 302; hydropiperoides 60:299, 302; 66:377, 379; 73: 257; 75:317; f. strigosum 60:299; var. bushianum f. **rubrum** 54:126; var. hydropiperoides 57:307; lapathifolium 55:146; 60:299, 302; 72:516; 75:317; var. prostratum 60:299, 305; var. salicifolium 60: 299, 302; longisetum 66:54; longistylum 59:265; 75:386; maculatum 59:265; meisnerianum 72:182-184; var. beyrichianum 72:182-184, 185 (fig. 1), 186 (fig. 2), 187; var. jalapense 72:185, 186 (fig. 2), 187; var. meisnerianum 72:187; var. setosum 72:187; var. usterianum 72:187; minus var. subcontinuum 60:299, 305; multiangulare 72:187; muticum 54:21; natans f. genuinum 55: 146; f. hartwrightii 55:146; neofiliforme 54:23; nepalense 60:299, 305; opelousanum 60:299, 303; var. adenocalyx 60:299, 303; orientale 60:299, 304; 63:288; pensylvanicum 60:299, 303; 71:24; var. laevigatum 60:67, 299, 302; f. albineum 60:299; var. nesophilum 60:299, 303; var. rosaeflorum 69:453; var. rosiflorum 69:453; perfoliatum 58:43; persicaria 52:294; 55:146; 60:65, 299, 304; 63:288; 66:415; 71:520; 72: 516; 75:317; f. albiflorum 71:169; var. ruderale 60:299, 305; 71:169; 72:49; polystachyum 60:299, 305; prolificum 60:299, 304; punctatum 60:299, 302; 67:328; 72:516; 75:317; var. leptostachyum 60:299, 302; 71: 24; var. parvum 60:299, 304; puritanorum 60:299, 303; ramosissimum 60:299, 304; f. atlanticum 60:299, 304; robustius 60:299, 303; rubricaule 72:182, 187; sachalinense 60: 299, 305; 65:75; sagittatum 51:119; 54:126; 60:299, 302; 65:91; 72:182, 184, 516; 73:257; f. chloranthum 60:299, 304; sawatchense 74:380; scabrum 55:146; 60:299, 305; 72: 516; scandens 60:299, 303; 63:288; segetum 67:328; setaceum var. interjectum 60:299, 303; 62:240; var. setaceum 62:240; var. tonsum 54: 253; spp. 71:20; stelligerum 72:182, 187; tenue 57:320; 60:299, 303; türkheimii 72:187; vernum 59:265; virginianum 54:21, 23; 55:100; var. filiforme 54:23; var. **glaberrimum** 62:130; viviparum 53:4; 54:49, 51, 54, 278, 283, 285; 55:51, 76, 146, 249; 60:253, 299, 302; 65:216; 67: 381; 68:189; 70:210; var. alpinum 53:14
Polyideaceae 71:134; 72:212
Polyides 75:588; caprinus 66:223, 227; 71:134; 72:212; rotundus 71:134; 72:117, 201, 205, 212, 230, 233, 238, 324-325, 334; 74:411, 425
Polymnia 64:336; 70:559, 561; apus 64:260 (fig. 10), 265; canadensis 64: 339; 70:559, 560 (fig. 1), 561; 71: 303; f. radiata 53:133; laevigata 64:336, 337 (pl. 1273), 338-339; maculata 64:265; 71:211; oaxacana 64:265; perfoliata 74:194; revoluta

74:195; uvedalia 70:561; 71:204 (fig. 1, map), 205, 207, 210-211; var. densipilis 71:204, 205 (fig. 1, map), 206-208, 209 (pl. 1413), 210; var. floridana 71:204, 205 (fig. 1, map), 206-208, 209 (pl. 1413), 210; var. uvedalia 71:204-210
Polypetalae 75:144
Polypodiaceae 55:95; 57:236; 62:180; 63:341; 67:356; 68:466; 71:514; 75: 313, 412
Polypodium abruptum 61:305; anfranctuosum 63:35; armatum 71:13; asplenifolium 67:357; attenuatum 69:376; cultratum 63:35; duale 67: 357; excelsum 63:34; flabelliforme 68:467; glandulosum 61:306; hessii 67:357; induens 63:35; invisum 61: 306; jubaeforme 63:35; 67:357; knowltoniorum 63:35; latum 67: 357; mollissimum 63:35; 67:357; myosuroides 67:357; nervosum 69:7; nitens 69:7; pavonianum 69:7; pendulum 63:35; phlegmaria 68:467; phyllitidis var. latum 67:357; polypodioides 51:21; 57:283; pteroideum 69:8; rigescens 68:467; sericeolanatum 63:35; serricula 63:35; taenifolium 67:357; taxifolium 63:35; 67: 357; tenuiculum 63:35; trifurcatum 67:357; triseriale 69:376; triste 69:8; virginianum 55:100; 57:237; 63:46; 65:87; 72:4, 508; vulgare 55: 100; 62:231; 72:4; var. virginianum 62:231
Polypogon 68:105, 262; elongatus 68: 262; interruptus 68:262-263; monspeliense 51:126; 56:181; 74:389
Polyporaceae 73:473
Polypremum procumbens 57:287; 66: 13; 71:33; 73:495
Polypteris integrifolia 58:276
Polyscias 69:432; filicifolia 69:432; guilfoylei 69:432
Polysiphonia 55:105; 75:488-489, 559, 570-571, 573; arctica 71:137; 52: 324-325, 334; denudata 72:200-201, 221, 231-233, 238; 73:285; 74:425, 480; 75:280; elongata 71:137; 72: 203, 227, 233, 238; 74:425; fibrillosa 71:137; 74:425, 427-428; 75:59-60; flexicaulis 66:228; 71:117, 137; 72: 201, 227, 238, 324, 334; 73:385; harveyi 71:138, 527-528; 72:227, 230; 74:270; 75:281; lanosa 66:228; 71:117, 133, 138; 72:117, 200, 202, 204, 213, 227, 231-233, 239, 323-324, 334; 73:385; 74:270, 298, 425, 480; nigra 71:138; 72:228, 231, 233, 239; 73:285; 74:425, 480; nigrescens 66:228; 71:123, 138; 72:228, 231-233, 239, 326; 74:270, 425, 480; 75: 281; novae-angliae 71:138; 72:200, 229, 231-232, 239; 74:426; 75:282; paniculata 75:488, 490; spp. 71:115; subtilissima 72:200-201, 229, 231, 239; 74:426; 75:282; urceolata 66: 228; 72:117, 229, 231-233, 239, 324, 334; 73:285; 74:270, 426, 481; 75: 282; var. patens 71:138; 72:229; var. roseola 72:229, 324
Polystachya cerea 67:325; extinctoria 67:325; foliosa 58:291; minor 67: 325; minuta 67:325
Polystichopsis chaerophylloides 67: 359
Polystichum acrostichoides 56:1-3, 4 (fig. 1), 5, 6, (pl. 1198); 57:236; 58:39; 70:220; 72:4, 508; var. lonchitoides 56:3; ×lonchitis 56:1, 3, 4 (fig. 1), (pl. 1198); adiantiforme 67:358; braunii 56:1; 61:23; var. purshii 53:11; 70:182; 73:462-463; ×acrostichoides 56:1; echinatum 67:358; lonchitis 52:42; 53:12, 18; 56:1-3, 4 (fig. 1), 5-6, (pl. 1198); 68:413 (fig. 7, map), 417; mohrioides var. scopulinum 53:62; munitum var. munitum 72:496; scopulinum 64:211; triangulum 67:358
Polystigmataceae 64:134
Polytaenium brasilianum 66:112-113; cajanense 66:112-113; 67:357; discoideum 66:112-113; guayanense 66:112-113; jenmanii 66:114; lanceolatum 66:110; lineatum 66:110
Polytrichaceae 53:122; 62:147, 168
Polytrichum commune 53:122; 62:169; 65:273; 71:20; var. perigoniale 62: 169; 71:21; formosum 62:169; gracile 58:249; 62:169; juniperinum 53:122; 58:249; 62:169; var. alpestre 62:169; ohioense 53:122; 62: 169; piliferum 62:169
Pongamia 69:409; pinnata 69:409
Pontederia 75:426-429, 430 (fig. 1), 431, 432 (fig. 2), 433-436, 439 (fig. 3), 440 (fig. 4), 441, 442 (fig. 5), 443-444, 445 (fig. 6), 446 (fig. 7), 447-448, 484-486; subgen. Pontederia 75:435, 441, 443, 449-450, 473, 478, 484; subgen. **Reussia** 75:441, 443, 450, 484; angustifolia 75:452-454; brasiliensis 75:473; caerulea 75:453; cordata 53:80, 84-85; 75: 426-429, 431, 433, 435, 443, 445, 447-448, 450, 452-454, 460, 486; f. albiflora 75:454; f. angustifolia 53: 80; 73:257; 75:453-454, 462; f. bernardi 75:455; f. brasiliensis 75:453-454; f. lancifolia 75:462; f. latifolia 53:80; 75:454; f. sagittata 75:467; f. taenia 53:80; 73:257; 75:455; var. albiflora 75:453; var. angus-

tifolia 75:452; var. cordata 73: 256; 75:430 (fig. 1A), 436, 442 (figs. 5A-5B), 446 (fig. 7), 450, 451 (figs. 8-9), 452, 456 (fig. 10, map), 457 (fig. 11, map), 458 (fig. 12, map), 460, 464 (fig. 15, map), 466, 484, 486-487; var. lanceolata 75:462; var. lancifolia 75:436, 445, 446 (fig. 7), 450, 454, 457 (fig. 11, map), 458 (fig. 12, map), 460, 461 (fig. 13), 464 (fig. 15, map), 467, 486-487; var. ovalis 75:436, 445, 446 (fig. 7), 450, 461 (fig. 14), 466, 486-487; var. parviflora 75:471; var. sagittata 75:467; var. typica 75: 453, 462; cordifolia 75:473; eriantha 75:473; hastata 75:427-429, 431; heterantherimorpha 75:462; lagoënsis 75:478; lanceolata 75:462; f. brasiliensis 75:454; f. ovalis 75:466; f. trullifolia 75:454; var. vichadensis 75:466; lancifolia 75:460, 461 (fig. 13), 462; nymphaeifolia 75: 453; oblonga 75:462; ovalis 75:466; ovata 75:427-428, 431; parviflora 75:430 (fig. 1C), 432 (figs. 2A-2B), 434-435, 437, 439 (fig. 3D), 441, 445, 446 (fig. 7), 450, 469 (fig. 18), 471, 472 (fig. 19, map), 473, 484, 486-487; renniformis 75:473; rotundifolia 75:430 (fig. 1D), 432 (figs. 2C-2D), 433-435, 438, 439 (figs. 3A-3C), 441, 442 (figs. 5C-5D), 443, 445, 446 (fig. 7), 450, 473, 474 (figs. 20-21), 476 (fig. 22, map), 478, 480 (fig. 25, map), 484, 486-487; var. nymphaeifolia 75:454; sagittata 75:430 (fig. 1B), 434-435, 437, 445, 446 (fig. 7), 447, 450, 460, 467, 468 (fig. 16, map), 469 (fig. 17), 478, 484, 486-487; schomburgkiana 75:478; **subovata** 75:435, 438, 443, 449-450, 478, 479 (figs. 23-24), 480 (fig. 25, map)
Pontederiaceae 53:80; 67:323; 75:433, 447
Pontederites 75:448
Poponax macracanthoides 69:373
Populus 51:149; 54:303; 69:80; 75: 115; acuminata 63:42; alba 58:125, 130; 63:150, 318-321; 71:169; 72: 344, 546; ×grandidentata 63:318, 321-322; ×tremuloides 63:318, 322; aurea 69:76-77; balsamifera 54:209; 55:143; 58:51, 125, 131; 60:248; 65:156; 69:78; 70:210; 72:515; var. fernaldiana 51:149; var. michauxii 51:149; var. subcordata 51:150; 58: 125; candicans 54:209; canescens 58:125; 59:33; deltoides 52:274; 53: 224; 56:207; 58:125, 133-134; 61:21; 63:150; 65:366; 66:280; 71:175; var. missouriensis 58:125; eotremuloides 69:78; ×gileadensis 58:125; 72:515; grandidentata 54:64; 58:125, 130; 61:21; 63:65, 311-314, 315 (fig. 1), 316, 317 (figs. 2-3), 318, 319 (figs. 4-5), 320 (fig. 6); 64:18, 19 (pl. 1265); 69:70-71, 72 (fig. 1), 73, 77-80; 72:515; ×tremuloides 63:312, 315 (fig. 1), 317 (figs. 2-3), 319 (figs. 4-5), 320 (fig. 6), 321-322; 69:72 (fig. 1); heterophylla 58:125, 133-134; 69:78; ×jackii 54:209, 212; lindgreni 69:78; nigra var. italica 57:313; 58:125, 130; sieboldii 69:80; tremula 63:141; 69:78, 80; var. davidiana 69:80; tremuloides 51:6, 47; 53:10; 55:45, 143; 58:125, 130; 61:122; 63:65, 141, 311-314, 315 (fig. 1), 316, 317 (figs. 2-3), 318, 319 (figs. 4-5), 320 (fig. 6), 321; 65:90, 156; 69:70-71, 72 (fig. 1), 73-79, 458; f. pendula 58:125; f. reniformis 58:125; var. magnifica 51:6; 58:125, 131; 72: 515; var. tremuloides 72:515; vancouveriana 69:77; voyana 69:78; washoensis 69:78, 80
Porana 69:437; paniculata 69:437
Porcelia triloba 56:255
Porella pinnata 53:121; platyphylloidea 59:256, 258
Porellaceae 53:121
Porophyllum amplexicaule 63:123 (fig. 23), 128; porophyllum 67:355; ruderale 67:355
Porotrichum alleghaniense 62:161
Porphyra 75:542, 580; leucosticta 72: 118, 200-201, 203, 239, 324, 335; 75:59-60, 62, 272; linearis 66:218, 228; 71:154; 72:118, 200-201, 203, 231, 239; miniata 66:229; 71:124, 131; 72:118, 200, 203, 230-232, 239, 325, 335; 74:426; 75:272; umbilicalis 66:228-229; 71:131; 72:118-119, 200, 204, 206, 231, 239, 325, 335; 73:283; 74:264, 411, 426; 75:59, 272; f. epiphytica 71:131; 72:118, 204, 239, 325, 335; 74:426; f. linearis 72:203
Porphyridium 64:58
Porphyropsis coccinea 72:202, 239
Porphyrosiphon notarisii 75:289; splendidus 75:290
Porphyrospatha hoffmannii 62:252, 256
Porterinema fluviatila 73:278
Portlandia grandiflora 69:446
Portulaca 69:405; gagatosperma 66:8; grandiflora 62:108, 115; lanceolata 52:168; oleracea 57:285; 60:65; 62: 108, 115; 63:288; 69:405; 72:517; phaeosperma 57:285; 67:330; 69:

405; pilosa 57:285; 69:405; 70:397; var. hortualis 69:405; poliosperma 67:330; quadrifida 69:405; rubricaulis 67:330; 69:405; smallii 70: 394, 397, 405; teretifolia 67:330; umbraticola 69:405
Portulacaceae 55:148; 62:108, 112; 64:150; 67:330; 69:405, 466; 75:243, 415
Potamogeton 53:41-42, 58; 54:237; 75:75-76; acutifolius 70:170; alpinus 52:128; var. subellipticus 65: 76; var. tenuifolius 58:321; americanus 68:218; amplifolius 51:109; 52:286; 53:265; 55:117; 73:254; berchtoldii 54:244; 55:48, 116; 74: 135; var. colpophilus 53:19; var. lacunatus 72:47; var. polyphyllus 51:109; 54:244; var. tenuissimus 51: 109; 73:254; 74:135; capillaceus 73: 254; 74:135; confervoides 51:8; 54: 238-243; 58:246; 74:135, 138-139; crispus 53:24; 70:170-171; 74:132; epihydrus 52:286; 67:317; var. nuttallii 54:250; 55:15, 48, 117; 65:76; 72:509; 73:253; var. ramosus 74: 135-136; var. typicus 55:116; fibrillosus 75:75-76; filiformis 54:203; 74:131; var. borealis 53:14, 156; 54:223; 74:131; var. macounii 74: 131; fluitans 67:317; foliosus 75: 75:76; var. **fibrillosus** 75-76; var. foliosus 75:77; var. macellus 55: 116; friesii 63:40; 70:203; 74:133; gemmiparus 65:76; 74:135; gramineus 55:11, 48; 65:78; 70:203; 73: 253; var. gramineus 73:254; 74: 135; var. maximus 55:117; 73:253, 255; var. myriophyllus 73:255; 74: 135; var. typicus 55:117; hillii 74: 134; illinoensis 63:251; insulanus 67:317; longiligulatus 74:133-134; natans 55:11, 117; 58:77; 67:195; 70:170, 203; 73:253, 255; 74:135; nodosus 54:245; 55:117; 65:78; 67: 317; oakesianus 67:376; 72:509; 73: 255; oblongifolium 67:84; oblongus 52:128; obtusifolius 52:286; 53:50; 54:244; 73:298; panormitanus 54: 137; 59:265; pectinatus 53:19; 54: 238-239; 70:171; 72:48; 74:133; perfoliatus 55:42; 63:40; subsp. richardsonii 71:504; var. bupleuroides 53:19; 54:246; 73:298; polygonifolius 52:128; praelongus 53:265; 55:48, 117; 74:137; pulcher 54:245; 55:15; 73:253-254; pusillus 54:137; 59:265; 70:171; richardsonii 54:245-246; 55:117; 63:40; robbinsii 52:286; 55:116; 58:321; 73:254; rotundifolium 67:84; spathulaeformis 69: 453; spathuliformis 69:453; spirillus 54:223; 55:48, 116; 73:254; 74:135; strictifolius var. rutiloides 74:133; subsibiricus 71:504; trichoides 70: 171; tuckermani 54:240; vaginatus 70:203; 71:504; vaseyi 54:245; zosterifolius 70:203; zosteriformis 54:244; 55:116; 74:134, 137
Potamogetonaceae 63:211; 67:317; 75:75
Potentilla 61:272; anglica 51:390-391; 61:152-154; f. parviflora 61:153; anserina 54:202; 55:362; 64:343, 346; 65:92, 365; 69:310, 317; 71: 521; 75:318; argentea 69:310, 318; 72:519; var. pseudosalabra 69:310; arguta 53:9; 55:168; 58:323-324; 69:310, 315; 72:47; biflora 65:211, 218; bipinnatifida 55:362; canadensis 51:111; 60:67; 61:153; 69:310, 316; 71:170; 72:519; var. villosissima 69:310; canescens 69:310; concinna 70:45; crantzii 52:227; egedei var. egedei 71:505; var. groenlandica 64:343, 346; 65:92, 365; 69: 310, 317; 71:25, 521; 72:519; 75:57; elegans 71:505; emarginata 54:40-41; 65:218; var. typica 54:55, 283; erecta 69:310; fruticosa 53:20; 55: 51, 167; 57:302, 308; 62:260; 67:92; 69:310, 315; 70:184-185, 210; 72: 416; var. tenuifolia 55:167; glabrella 55:168; gracilis 69:310; var. pulcherrima 55:82, 168; 69:310, 318; hippiana 56:248; humifusa 70:45; hyparctica 54:55, 283, 285; 65:218; intermedia 53:160; 69:310, 318; ledebouriana 65:211, 218; millegrana 64:358; 69:310, 318; mollis 70:45; monspeliensis 55:168; nivea 54:280, 282-283; 67:381; norvegica 64:345; 65:92; 69:310, 315; 71:521; 72:519; 75:318, 390; var. hirsuta 55:168; var. labradorica 69:310, 316; var. monspeliensis 64:358; palustris 55:47, 168; 58:59; 63:43; 65:92, 218; 69:310; 73:258; 74:391; var. villosa 69:310, 315; 72:519; paradoxa 57:322; pectinata 69:310, 317; 72:519; pensylvanica 55:168; var. pensylvanica 58:323-324; procumbens 51:390; 61:152, 154; propinqua 74:83; pulchella 54:49, 52; recta 51:24, 111; 69:310, 318; reptans 61:154; 69:310, 318; robbinsiana 65:337; 66:408, 410; 69:32, 310, 316; simplex 51:111; 52:295; 69:310, 316; var. calvescens 65:92; 69:310, 316; 72:519; var. simplex 72:519; tridentata 55:41, 46, 168; 60:248, 253; 69:310, 316; 74:367-368, 370, 374; 75:155; uniflora 65:

218; 71:505; vahliana 54:280; verna 69:310, 318
Pothomorphe 69:400; peltata 67:327; 69:400; umbellata 67:327
Pothos hermaphroditus 62:252, 254, 256-257; jambea 62:252, 254-256
Pottia lanceolata 62:171; truncata 62: 154
Pottiaceae 53:123; 62:147, 154
Poulsenia 70:121
Pouteria dictyoneura subsp. fuertesii 67:345; hotteana 67:345; mammosa 67:345; multiflora 67:345
Prasiola crispa 71:154; stipitata 72: 116, 318, 332; 74:266
Prasiolaceae 74:266
Preissia quadrata 60:234
Prenanthes alba 55:210, 225; altissima 51:112; 72:528; f. hispidula 72:528; f. integra 65:95; boottii 74: 367; ×mainensis 56:252; racemosa 53:9, 271; 56:252; trifoliata (see trifoliolata); trifoliolata 51:112; 53: 19; 54:181; 56:252; var. nana 65:95: 72:528; var. trifoliolata 72:528
Prestoea montana 67:322
Prestonia 69:435; 70:326-328; acutifolia 71:548, 550; agglutinata 67: 346; 69:435; amazonica 70:324, 326-328
Prickothamnus 70:531
Primula 75:115; subsect. Eu-Farinosae 62:31, 41; borealis 62:36-37; var. borealis 65:220; capitellata 62: 38; decipiens 62:38, 40; egaliksensis 65:220; 67:381; farinosa 62:37-38, 40; 64:338; hunnewellii 62:36; incana 62:35-38, 39 (fig. 14), 40; intercedens 55:51, 76, 184-185; 57: 113; 62:32-33; kewensis 57:106; laurentiana 62:32, 34-38, 39 (figs. 10-11, 13), 40; 65:286-288, 364-365; magellanica 62:38; mistassinica 55: 51, 184-185; 60:248; 62:32-34, 36-38, 39 (figs. 1-2); 68:414 (fig. 10, map), 417; 70:186; f. leucantha 56:40; 62:39 (figs. 3-7); var. mistassinica f. leucantha 62:34, 37; f. mistassinica 62:34, 37; var. noveboracensis 62:34, 37, 39 (figs. 8-9); nivalis 71:506; rusbyi 62:40; scandinavica 62:38, 40; scotica 62:40; var. scandinavica 62:40; sibirica 65: 211, 220; specuicola 62:36-37, 39 (fig. 12), 40-41; stricta 62:37-38, 41; tschuktschorum 65:211, 220
Primulaceae 52:296; 55:184; 63:211; 64:147, 152; 75:320
Pringlea 75:239, 241, 243, 245 (fig. 4), 246; antiscorbutica 75:241, 242 (fig. 2)
Pringsheimiella scutata 71:117
Prinodia 53:232
Prinos 53:232; ambiguus 53:236-237; confertus 53:236; deciduus 53:235; var. aestivalis 53:235; gronovii 53: 236; padifolius 53:236; 59:22; prunifolius 53:236; verticillatus 53: 236
Pristimera caribaea 67:338
Priva 69:439; lappulacea 69:439
Proboscidea **sabulosa** 68:426, 427 (pl. 1335)
Proserpinaca palustris 73:56, 259; pectinata 71:33; 73:253, 259
Prosopis 69:257, 409; 75:341, 355, 359; juliflora 69:409; var. glandulosa 52:19; 56:210; limensis 67:332
Proteaceae 59:242; 69:401
Protium heptaphyllum 65:114
Protoderma marinum 71:118, 527; 74:415; 75:262; viride 64:56; 67: 251
Protosiphon botryoides 67:251
Protosiphonaceae 67:251
Prunella parviflora 52:58; vulgaris 60:66; 73:556; f. albiflora 56:40; var. lanceolata 55:188; 72:524; f. candida 54:258; f. iodocalyx 55: 188; 72:524; var. **parviflora** 52:58
Prunus 75:2; alleghaniensis 69:310, 317; americana 58:330; 65:77; 69: 311, 316; var. lanata 58:330; var. mollis 58:330; angustifolia 73:111; avium 69:311, 318; 72:520; borealis 55:295; caroliniana 70:225; 73:492, 502, 504-505, 512, 514; cerasifera 69:311, 318; cerasus 69:311, 318; cuneata 54:173; depressa 53:9; 69: 311, 316; domestica 69:311, 318; emarginata 73:375; geniculata 64: 234; gravesii 69:311, 317; insititia 69:311, 318; injucunda 54:173; lanata 58:330; mahaleb 69:311, 318; maritima 69:311, 317; 71:19-20, 25; 72:520; mexicana 58:331; 59:126; 63:20; mitis 54:172; mollis 58:330; myrtifolia 67:331; nigra 58:330; 69:311, 315-316; occidentalis 67:331; pensylvanica 52:295; 53:238; 55:45, 169; 63:65; 65:92, 156; 69:311, 315; 72:520; persica 69:311, 318; 71:25; pumila 54:173; serotina 54:64; 56:84; 60:67; 63: 65, 288; 69:311, 316; 71:20, 25; 73: 502, 504-505, 508, 510-511, 531; 74: 321; subsp. eximia 56:84; subsp. hirsuta 56:84; 58:115; subsp. serotina 56:84; 58:115; spinosa 69:311, 318; susquehanae 51:10; 54:173; 55: 169; 69:311, 316; 70:452; umbellata 52:262; 58:330; 73:492; virginiana 51:20; 52:276; 54:255; 55:169; 56: 208; 58:247, 318; 60:67, 69; 63:295;

65:92, 156; 67:373; 69:311, 315; 72: 520; f. deamii 54:254; var. melanocarpa 51:20
Pseudanamomis umbellulifera 67:343
Pseudananas 71:36, 278; sagenarius 71:278
Pseudapiospora thistletonia 71:201
Pseudechinolaena 68:105, 296; polystachya 68:296
Pseudehretia 53:232
Pseudendoclonium marinum 71:118, 527; 72:116, 318, 332; 74:409, 415, 478, 485-487; 75:58, 61, 262; submarinum 73:269
Pseuderanthemum 69:444; atropurpureum 69:444
Pseudisothecium myosuroides 62:161
Pseudobaeomyces 56:107; insignis 56: 108; pachycarpus var. stipitatus 56: 108
Pseudobarleria 72:546
Pseudocolus javanicus 61:135; schellenbergiae 61:127, 135
Pseudocymopterus tidestromii 59:166
Pseudoelephantopus 69:449; spicatus 67:354; 69:449
Pseudoleskea catenulata 62:171; patens 62:161
Pseudolithodermum extensum 74:419, 427
Pseudomassaria erumpens 71:200; **inversa** 71:199 (figs. 15-18), 200; leucothoës 71:201; oxydendri 71: 200; thistletonia 71:199 (figs. 19-20), 200-201
Pseudombrophila deerrata 71:201
Pseudosophora 70:521-522; sericea 70:523
Pseudotsuga menziesii 73:186; mucronata 57:333, 335; taxifolia 57:332-333; 58:180
Psidium 69:431; amplexicaule 67:342; 69:431; cattleyanum 67:342; galapageium 75:143; guajava 57:287; 69:431
Psilactis 69:478-479; asteroides 64: 253, 260 (fig. 9), 264; 65:228; brevilingulata 64:253, 264; coulteri 64: 253
Psilocarya nitens 65:28, 33; 67:322; portoricensis 67:322; scirpoides 65: 28, 33
Psilochilus macrophyllus 59:250; 67: 325
Psilostrophe gnaphalodes 63:128; 65: 231, 232 (fig. 29), 238-239; tagetina 65:231, 232 (fig. 30), 238
Psilotum nudum 57:276, 283
Psoralea alnifolia 64:62; argophylla 70:48; argyropylla 51:20; cuspidata 70:47; esculenta 57:291, 293; 67:26; 70:47; **holosericea** 72:66-67; incana 57:291; 70:48; macrorhiza 70:47; melitoides 68:392; mexicana 72:66-67; var. trianae 72:66-67; mollis 56:256; multijuga 69:48-50; psoralioides 68:392; subacaulis 69:384; tenuiflora 56:208; f. alba 56:160
Psychotria 69:446; 71:535-537; brownei 69:446; grosourdyana 69:376; guadaloupensis 69:376; lanceolata 66:19; ligustrifolia 69:446; microdon 67:353; 69:446; nervosa 57:277; 66:19; 69:376; pinularis 67:353; 69: 446; undata 57:288; 69:376, 446; viridis 71:535, 538 (fig. 1), 539
Psychotrophum 71:535, 537
Ptelea trifoliata 53:240; 56:208; f. pubescens 54:209
Pteretis 52:246-247; pensylvanica 51: 109; 52:247; 55:97; 57:219, 227, 236, 239; 63:40; f. pubescens 55:97; struthiopteris 52:246
Pteridaceae 71:31
Pteridium aquilinum 57:228; 62:183; 64:18; 71:31; 72:281; 73:401; 75: 144; subsp. aquilinum var. pubescens 72:497; var. aquilinum 62:231; var. arachnoideum 67:357; var. caudatum 57:283; 67:357; 73:206; var. feei 62:177 (fig. 1), 180; 63:343; var. latiusculum 53:20; 54:64; 55: 45-46, 100; 57:228, 236; 59:240; 62: 231; 65:87; 72:508; var. pseudocaudatum 57:224, 228, 229 (fig. 14), 236, 239, 283; 62:231; var. pubescens 62:231; arachnoideum 67:357; caudatum 67:357
Pteridophyta 51:109; 52:41
Pterigoneurum subsessile var. **kieneri** 51:128
Pterigynandrum filiforme 59:26; 62: 166
Pteris 70:2-3, 8; altissima 63:196, 202, 203 (fig. 11); biaurita 63:195, 200, 203 (fig. 8); 70:2; coriacea 63: 199; costaricensis 63:200; cretica 63:195, 196, 197 (fig. 2); 70:2; denticulata 62:10; fraseri 62:9-10; grandifolia 62:10; 63:195-196, 197 (fig. 1), 205; killippii 63:86; kunzeana 63:202; lechleri 63:86; livida 63:195, 201, 203 (fig. 10); longicaudadel 63:205; macrodictya 63:205; mollis 63:199; muricata 63: 195, 199, 201 (fig. 6); muricella 63:195, 197, 199, 201 (fig. 7); navarensis 63:205; paucinervata 63:195-196, 197 (fig. 3), 198; **petiolulata** 62:3 (fig. 3), 9-10; podophylla 63: 196, 203 (fig. 12), 204-205; prolifera 63:205; propinqua 63:195, 200, 203 (fig. 9); pungens 63:195, 197 (fig. 4), 198, 205; quadriaurita

63:195, 198, 201 (fig. 5), 205; 70:2; tripartita 63:196, 203 (fig. 13), 204; vestita 62:10; 63:86; vittata 75:412
Pterocarpus sect. Ateleia 70:506; ateleia 70:506, 511-512; gummifer 70:514
Pterocarya rhoifolia 73:213
Pterocaulon 69:449; alopecuroides 70: 230 (fig. 20), 232, 238; undulatum 70:232; virgatum 69:449
Pterophyton heterophyllum 74:99-100; pauciflorum 74:99
Pteropsis vittarioides 66:116
Pterygynandrum (see Pterigynandrum
Ptilidiaceae 53:120
Ptilidium ciliare 59:259; pulcherrimum 59:259; 72:493
Ptilimnium 72:395; capillaceum 57: 287, 320; 66:379; 71:20-21, 26; 72: 393, 394 (pl. 1); costatum 57:320; 74:148; 75:395; fluviatile 60:20; nuttallii 57:320
Ptilium crista-castrensis 62:167
Ptilota pectinata 71:153; plumosa 54: 276; 71:137; serrata 66:223, 229; 71:137; 72:118, 200, 215, 224, 230-232, 239, 324-325, 335; 73:285; 74: 269, 426; 75:59-60, 62
Ptychomeria portoricensis 67:325
Ptychomitriaceae 62:147, 158
Ptychomitrium drummondii 53:124; incurvum 62:158
Ptychopetalum 71:439
Ptychosema 51:222
Puccinellia 52:53; 54:42-45, 197-199; 68:99, 115; sect. **Torreyochloa** 54: 44; angustata 54:278; cusickii 63: 41; distans 54:43, 198; 59:27; 60: 264; var. angustifolia 69:377; **fernaldii** 68:445; grandis 54:198; laurentiana 53:11; 66:143; 71:519; var. laurentiana 65:88; 66:62; maritima 72:509; oresigena 68:115; **pallida** 54:44; parvula 68:115; paupercula 54:40; var. alaskana 51:7; 64:344; 65:88; 66:62, 143; 71:519; 72:509; 75:314; var. paupercula 65:88; 66: 143; pumila 51:7
Pucciniaceae 73:473
Pucciniastrum myrtilli 64:99
Pueraria phaseoloides 67:335
Punctaria 73:293; chartacea 73:295; latifolia 71:127; 72:321, 337; 74: 267, 298; 75:270; plantaginea 66: 232; 71:127, 153; 72:326; 74:298; 75:270; var. **rugosa** 73:293, 294 (fig. 1)
Punctariaceae 71:126; 74:267; 75:270
Punica 69:429; granatum 69:429
Punicaceae 69:429
Puya 71:35-36, 49; subgen. Pitcairniopsis 71:36-37; subgen. Puya 71: 37, 41; alata 71:37, 41; alba 71:38, 47; atra 71:39, 48; boliviensis 71: 56; brittoniana 71:41, 55; cardenasii 71:40, 53; cristata 71:37, 43; ctenorhyncha 71:40, 52; dyckioides 71:39, 48; ferruginea 71:38-39, 46; fiebrigii 71:38-39, 44; fosteriana 71: 40, 52; glabrescens 71:39-40, 48; glareosa 71:38-39, 45; hauthalii 71: 41-42; herzogii 71:40, 53; hofstenii 71:37, 41; humilis 71:41, 55; kuntzeana 71:39-41, 50; lasiopoda 71: 40, 51; laxa 71:37, 43; leptostachys 71:40, 53; meziana 71:38-39, 44; micrantha 71:56; minima 71:39, 50; mirabilis 71:39, 50; mollis 71: 39-40, 49; nana 71:41, 54; olivacea 71:38, 45; paupera 71:40-41, 51; pearcei 71:38, 47; penduliflora 71: 38, 47; potosina 71:37, 42; raimondii 71:41, 56, 57 (fig. 1); reducta 71:39, 49; riparia 71:38, 46; rusbyi 71:37, 42; sanctae-crucis 71:38, 43; secunda 71:38, 44; spathacea 71:41; stenothyrsa 71:38-39, 45; tristis 71:40, 52; trollii 71:37, 42; tuberosa 71:39, 49; tunarensis 71:40, 54; ugentiana 71:40, 52; ultima 71:37, 41; valida 71:40, 51; weddelliana 71:41, 55; werdermannii 71:55
Pycnanthemum 64:147; 72:502; alatum 64:184-185; albescens 64:153; dichotomum 70:45; incanum 57:75; 74:292; pilosum 70:45; 72:50; tenuifolium 72:50; 74:292; var. **laurencei** 72:50; torrei 74:292; verticillatum 74:292; virginianum 54: 254; 74:292
Pycnoporus sanguineus 66:15
Pylaiella littoralis 66:232; 71:123; 72: 117, 202, 321, 337; 73:278; 74:266, 298, 419; 75:59, 268
Pylaisia 52:72; intricata 62:168; jamesii 52:72; 62:148, 168; polyantha 52:72; 62:168; var. **jamesii** 52:72; selwynii 53:126; 62:168; 64: 125; subdenticulata 62:168
Pyrenoglyphis microcarpa 65:259
Pyrenophora macrospora 71:197-198
Pyrethrum bonplandianum 63:152, 156; 67:182
Pyrola 72:480, 483; asarifolia 51:103; 53:11; 55:180; 72:483-484; var. asarifolia 72:482 (fig. 2), 484; var. incarnata 51:103; var. **purpurea** 51: 103; 53:15; 72:484; chlorantha 55: 180; 62:261; 74:396-397; compacta 72:480, 481 (fig. 1), 483-484; elliptica 53:10; 55:180; 71:307; 72:480, 481 (fig. 1), 483, 523; grandiflora

54:49; 55:251; 65:220; 67:381; 71: 508; 72:484; incarnata 62:261; minor 55:54, 180; 62:261; 72:484; oxypetala 72:482 (fig. 2), 483-484; rotundifolia 55:295; incarnata 51: 103; purpurea 51:103; var. americana 55:180; 72:523; secunda 55: 46, 179, 295; 70:210; 72:523; var. obtusata 55:180; uniflora 55:295; virens 55:180; 72:483; 74:396-397; f. paucifolia 55:180; 72:523
Pyrolaceae 55:179; 75:319
Pyrrhopappus carolinianus 66:380; 73:497
Pyrrhophyta 63:280; 69:57
Pyrularia pubera 59:18
Pyrus 51:366; 75:313; americana 55: 45-46, 165, 358-360; 58:247; 65:23; 66:61; 67:402; 69:311, 316; 72:519; 75:318; var. decora 55:358, 360; angustifolia 60:293-294; arbutifolia 69:311, 316; 71:25; var. melanocarpa 51:111; ×arnoldiana 69:311; aucuparia 51:111; 69:32, 311, 318; 72:519; baccata 69:311, 318; communis 69:311, 318; coronaria 60: 293-294; var. lancifolia 60:294; decora 55:46, 165; 58:247; 65:92; 66:61; 69:311, 316; 72:519; 75:318; var. groenlandica 69:311, 316; dumosa 55:360; floribunda 63:66; 69: 311, 315; 71:307; 72:519; 75:318; ioensis 60:294; lancifolia 60:293; ×magdaburgensis 69:311; malus 69:311, 318; 72:519; 75:318; melanocarpa 51:111; 52:295; 55:165; 57: 314-315; 59:122; 60:206; 65:92; 69: 311, 315; 71:307; 72:519; micrantha 55:360; microcarpa 55:358, 360; ×mixta 69:311; ×pinnatifida 69: 311, 318; prunifolia 69:311, 318; sambucifolia 55:360; ×shurangiaca 69:311; sitchensis 55:360; ×soulardi 69:311, 318
Pyxidanthera barbulata 69:59
Pyxine sorediata 60:83

Quadrigula closteriodes 71:457; lacustris 63:277; 71:457
Qualea 70:337
Quamoclit coccinea 67:347; 73:49; quamoclit 67:347; 69:436
Quekettia **pygmaea** 59:288
Quercus 70:221, 224; 72:534; acuminata 53:251, 254, 263; agrifolia 73: 183; alba 51:231; 52:275; 53:250-253, 256-259, 262-264; 54:64, 132, 134; 58:128, 132, 318; 60:67, 71; 61:21; 63:65-67; 67:402; 70:224; 73: 183, 491; f. latiloba 58:128; f. repanda 58:129; alexanderi 62:130; applegatei 73:140 (fig. 13), 142; ×bebbiana 53:262-263; 58:129; bicolor 51:132; 53:257, 259, 262-263; 58:129, 132; 62:200; borealis 67:386; 69:54; var. maxima 53:262; brayi 59:306; catesbei 56:256; chapmanii 65:280; cinerea 56:256; coccinea 56: 256; 58:129, 132; 60:206; 61:21; 63:65; comptonae 53:263; crispula 73:213; ×deamii 53:250-251, 253-260, 262-264, (pls. 1176-1180); douglasii 73:185-186; ellipsoidalis 52:56; 54:134; 74:390; var. **kaposianensis** 52:56; falcata 52:148, 150; 53:262; 60:206; 70:224-225; 73:491, 501, 504, 506, 508, 510-511, 513; var. pagodaefolia 58:130; 69:453; var. pagodifolia 69:453; ×faxoni 58:129; ×fernowi 58:129; fisherii 53:261; gambelii 52:24; garryana 73:186; georgiana 70:394; gravesii 73:388; grisea 51:19, 23; harvardii 65:204; ×hawkinsiae 54:76-77; ×hawkinsi 54:76; heterophylla 53: 249, 260, 262; hillii 53:260-261, 263-264; ilicifolia 58:129, 132; 70:220, 224; imbricaria 52:227; 53:260; 58:129; 60:206; incana 53: 231; 70:290; 73:491; laevis 60:291; 70:290; 73:491; laurifolia 70:224; ×leana 58:129; lyrata 51:132; 53: 261-263; 73:491, 504, 506, 508, 510, 512, 514; macrocarpa 52:274; 53: 250, 253, 255-264, (pls. 1177-1180); 55:226; 58:129, 133, 318; 62:200; 69:458; f. olivaeformis 58:129; 69: 453; f. oliviformis 69:453; var. fisheri 53:261; var. monstrosa 53: 261; var. olivaeformis 53:254; macrocarpon 56:255; margaretta 70: 290; marilandica 53:262; 73:491, 502, 504, 506, 512, 514; michauxii 53:254; 63:325; montana 53:254, 259; muhlenbergii 53:250-264, (pls. 1176-1180); 58:129, 133; 59:306-307; 64:333; f. alexanderi 58:129; 66:312; nigra 56:256; 70:224; 73: 492, 501, 504-505, 512, 514; novemexicana 74:83; obtusiloba 56:256; pagodaefolia 69:453; pagodifolia 69:453; palustris 51:155; 53:260; 54:304 (figs. 1-2); 58:129, 133; 74: 148; phellos 51:132; 53:262; 70: 224; f. intonsa 51:132; ×porteri 54:77; 58:129; prinoides 53:254, 261; 58:129, 132; 59:306-307; var. acuminata 59:306; f. **alexanderi** 62: 130; var. prinoides 59:306; var. rufescens 58:129, 133; prinus 51: 132; 53:254, 259; 58:93, 129, 133; 59:306; 61:21; 63:65, 67-68, 324-325; pumila 51:133; ×rehderi 58:

129; reticulata 74:350; ×robbinsii 58:129; robur 58:129; 74:529; rubra 53:3, 262; 54:64, 303; 57:131; 58:93, 129, 132; 60:67, 71; 61:21; 63:65, 68; 64:18, 333; 67:408; 69:458; 72:12, 281, 516; var. borealis 58:129, 131; 62:196; 66:312; rudkini 53:249, 262; ×runcinata 54:212; ×saulii 58:129; ×schnettei 53:262-263; serrata 73:213; spp. 51:19; stellata 52:275; 53:250; 58:129, 133; 69:331; 70:225; 73:492, 502, 504, 506; var. margaretta 58:129, 133; 73:492; stelloides 58:129; triloba 56:256; undulata 56:207; velutina 52:293; 58:129, 132, 318; 60:206; 61:21; 63:65, 67; 70:224; f. dilaniata 58:129; f. macrophylla 54:253; 58:129; f. pagodaeformis 58:129; virginiana 51:133; 53:263; 57:278, 285; 59:254; 70:224-225; 73:205, 222; f. macrophylla 51:133; var. eximea 54:77; var. eximia 54:77; var. geminata 51:133

Quincula 60:114; 69:84; lepidota 60:108, 171; 69:225; lobata 60:171; 69:225

Quisqualis 69:430; indica 69:430

Rachicallis americana 75:111-113

Radicula palustris 67:331; 69:373; portoricensis 67:331

Radiofilum flavescens 64:56

Radiosphaera nemiahi 58:161; sol 58:161

Radula caloosiensis 59:254, 256, 258; complanata 59:256, 258; langloisii 59:256; obconica 53:121; 59:254, 256, 258; tenax 59:254, 258

Radulaceae 53:121

Rafflesia 70:426

Ralfsia borneti 72:322, 338; 74:419-420, 428; clavata 71:123; 72:322, 338; 73:278; 74:420, 428, 479-481, 486; fungiformis 66:232; 71:123; 72:117, 322, 338; 74:267, 420; pusilla 72:322, 338; verrucosa 71:123; 72:322, 338; 73:278; 74:409, 420, 479-481, 486; 75:59

Ralfsiaceae 71:123; 74:267

Ramalina calicaris var. subampliata 75:306-307; f. pyrifera 75:308; f. subpapillosa 75:308; canariensis 75:307; fastigiata 75:307; var. subampliata 75:306-307; fraxinea 75:307; pollinaria 60:76; subampliata 75:306-307, 309 (fig. 1); subamplicata 75:306

Ramischia obtusata 62:261; secunda 62:261

Ramium niveum 75:386

Randia 69:446; aculeata 57:277, 288; 67:313, 353; 69:446; mitis 67:353; 69:446

Ranunculaceae 52:294; 55:149; 62:110, 112; 63:211; 64:150; 72:17; 75:318

Ranunculus 72:565; 75:507; abortivus 54:64; 62:110, 114; 72:2; var. acrolasius 55:150; 62:110, 112-113; var. eucyclus 62:110, 113; var. typicus 55:150; acris 51:390; 52:294; 55:47, 150; 60:65; 62:110, 115; 64:345; 65:91; 71:521; 75:318; var. acris 72:517; var. latisectus 62:110, 115; 67:196; alismaefolius 51:166; allegheniensis 62:110, 114; ambigens 51:164-166; 62:110, 114; var. obtusiusculus 51:166; aquatilis 71:505; arvensis var. tuberculatus 60:15; bulbosus 52:294; 62:110, 115; 72:517; var. dissectus 62:110; var. valdepubens 62:110; 69:453; var. valdipubens 69:453; cardiophyllus 74:391; carolinianus 74:149; circinatus 51:31; cymbalaria 55:13; 62:110, 115; 65:91; 71:516, 521; 72:517; 75:318; delphinifolius 51:110; fascicularis 52:160-161; 62:110, 114; ficaria 52:184; 56:24; 62:110, 115; 63:289-290; 72:499; var. bulbifera 63:289, 291; var. fertilis 63:289; var. ficaria 63:289, 291; filiformis 55:13; flabellaris 51:110; 60:322; 62:111, 114; f. riparius 62:111; flammula β laxicaulis 51:167; var. laxicaulis 51:166; var. major 51:166; var. reptans 55:150; gelidus 54:141; gmelini 71:505; var. hookeri 61:276, 282; 62:111, 116; harveyi 54:132; 56:227; 57:319; 60:292; 63:20; hispidus 51:134; 62:111, 114; var. falsus 62:111, 114; hyperboreus 53:158; lapponicus 55:77, 149; 62:111-112; laxicaulis 51:164-167; 66:379; var. mississippiensis 51:166; longirostris 62:111-112, 114; macounii 53:15; 55:54, 82, 150; micranthus var. delitescens 55:160; 62:111, 114; mississippiensis 51:166; mosleyi 75:240; nivalis 54:49, 51, 216; 55:250; 65:216; oblongifolius 51:164, 166; obtusiusculus 51:166; pallasii 65:217; parviflorus 57:320; parvulus 60:15; pedatifidus; subsp. affinis 71:505; pensylvanicus 53:15, 158; 55:13, 150; 62:111, 113; pusillus 51:166; var. denticulatus 51:166; pygmaeus 54:141; recurvatus 53:10; 62:111, 113; 72:2; f. laevicaulis 62:111; repens 58:65; 60:34, 37, 65; 62:111, 115; 69:32; 71:170; 72:517; var. erectus 62:111, 115; var.

glabratus 62:111, 115; var. linearilobus 62:111, 115; var. pleniflorus 62:111, 115; 74:143; var. villosus 62:111, 115; 64:345; 71:521; reptans 51:31; 55:13, 150; 62:111, 113; 65:78; 70:205; 71:505; 73:258; var. ovalis 62:111, 113; 73:258; salsuginosus 62:260; sardous 60:15; sceleratus 53:268; 54:226; 62:111, 114; var. multifidus 53:158; septentrionalis 51:134; 55:46; 62:111, 113; 74:149; sicaeformis 69:453; siciformis 69:453; sp. 75:57; subrigidus 53:14; 62:111-112, 114; sulphureus 54:49, 51, 54, 216; 65:217; texensis 51:164-166; trichophyllus 51:31; 55:42; 62:111, 113; 73:258; var. calvescens 62:111, 113; var. eradicatus 55:149; var. trichophyllus 71:170; var. typicus 55:149; turneri 71:508
Rapanea guianensis 57:277, 287; 67:313; 69:433
Raphanus lanceolatus 62:12; raphanistrum 59:29; 60:16; 62:19; 63:49, 54, 149, 345; 65:91; 71:521; 72:518; f. albus 60:16; 71:170; f. sulphureus 64:101; sativus 62:19; 63:49, 54; 69:407; 72:518
Raphidium 64:58
Raphidophora celatocaulis 63:256
Rapistrum rugosum 61:187; 63:49, 55
Ratibida 66:267; 70:348-350, 353, 370-371; columnaris 57:293; 58:287; 70:369; 75:407; f. denudata 70:369, 371; f. pulcherrima 70:376; columnifera 57:293; 58:287; 60:116; 64:355; 66:267-268; 70:48, 348, 367, 369-370, 376, 386 (pl. 1395), 387, (pl. 1396), 388 (pl. 1397); f. columnifera 70:349-350, 355, 368 (pl. 1391), 369, 389 (fig. 9, map); f. pulcherrima 70:349-351, 355, 376, 377 (pl. 1392), 389 (fig. 9, map); var. appendiculata 70:369-370; var. breviradiata 70:369-370; var. pulcherrima 70:376; var. tubularis 70:369-370; **latipalearis** 66:267-268; 70:349-352, 355, 380, 381 (pl. 1393), 383, 386 (pl. 1395), 387 (pl. 1396), 388 (pl. 1397); 389 (fig. 9, map); mexicana 66:267-268; 70:348-352, 354-355, 356 (pl. 1387), 357, 386 (pl. 1395), 387 (pl. 1396), 388 (pl. 1397); 389 (fig. 9, map); pedunculares 70:348, 351, 362; var. pedunculares 70:349-350, 352, 355, 363 (pl. 1389), 364, 367, 386 (pl. 1395), 387 (pl. 1396), 388 (pl. 1397), 390 (fig. 10, map); var. picta 70:348-350, 355, 365 (pl. 1390), 386 (pl. 1395), 387 (pl. 1396), 388 (pl. 1397), 390 (fig. 10, map); picta 70:366; pinnata 70:348-352, 354-355, 357, 358 (pl. 1388), 359, 386 (pl. 1395), 387 (pl. 1396), 388 (pl. 1397), 390 (fig. 10, map); sulcata 70:369; tagetes 70:348-352, 355, 383, 384 (pl. 1394), 385, 386 (pl. 1396), 387 (pl. 1396), 388 (pl. 1397), 390 (fig. 10, map); var. cinera 70:383
Rauiella scita 62:162
Rauwolfia 69:435; lamarckii 67:346; 69:435; nitida 67:346; 69:435; tetraphylla 67:346; 69:435; viridis 67:346; 69:435
Reynia perfoliata 56:256
Reboulia hemisphaerica 53:121; 60:230
Rebouliaceae 53:121
Rectolejeunea maxonii 56:256, 258
Reedrollinsia **cauliflora** 73:461
Reimarochloa oligostachya 75:372
Remirea maritima 67:322; pedunculata 67:322
Renealmia antillarum 67:324; aromatica 67:324; exaltata 67:324
Reseda alba 63:50, 54; lutea 63:50, 54; luteola 63:50, 55; odorata 63:50, 55
Resedaceae 63:50-51
Retinophyllum 70:336; concolor 70:336; speciosum 70:336; truncatum 70:336
Reussia 75:426, 433, 449, 473; graziellae 75:474; lagoënsis 75:478; rotundifolia 75:474; subovata 75:478; triflora 75:449, 473, 478
Reverchonia 65:193, 194 (fig. 1), 197 (pl. 1286), 200, 203, 204 (fig. 6, map), 205; arenaria 52:20; 65:193, 201, 206
Reynosia 69:423; uncinata 69:423
Rhabdadenia biflora 57:287; 66:13; paludosa 66:13
Rhabdoweisia denticulata 54:157
Rhacoma crossopetalum 67:338; 69:421
Rhacomitrium aciculare 62:155; ellipticum 62:171; heterostichum 59:26; 62:155; var. affine 72:494; var. ramulosum 62:155; var. sudeticum 54:157; 62:155
Rhamnaceae 55:173; 67:339; 69:422; 71:32; 73:50; 75:418
Rhamnus alnifolia 55:173; californicus 73:375; caroliniana 57:319; var. mollis 54:127; davurica 74:392; frangula 52:163; 60:61, 65; 61:25; 72:14; var. angustifolia 61:25; volubilis 67:84; 70:41
Rhapidophyllum hystrix 65:361; 74:525

Rheedia acuminata 67:341; portoricensis 67:341
Rheo 70:66
Rheum rhaponticum 60:299, 305; 65: 91; 66:142; 75:317
Rhexia 69:163, 165, 168-169, 172-176; alifanus 71:33; ciliosa 51:131, 137-138; cubensis 71:33; filiformis 66: 380; lutea 71:33; mariana 71:33; var. leiosperma 51:20; var. mariana 75:394; nashii 71:33; salicifolia 75: 369, 394; stricta 57:103; 66:380; virginica 52:177; 60:206; 69:163-165, 166 (fig. 1), 167 (figs. 2-11), 170 (pl. 1351), 171 (pl. 1352); 70: 176; 71:33; 73:259; 75:394; var. virginica 69:163
Rhinanthus borealis 65:338; crista-galli 56:251; 64:346; 69:33; 71:172, 523; var. crista-galli 72:525; var. fallax 65:94; 75:320; stenophyllus 53:20
Rhipidopteris peltata 67:357
Rhizochrysidaceae 63:280
Rhizoclonium hieroglyphicum 58:117, 121; 63:276; 64:56; 73:67; var. hosfordii 64:56; hookeri 64:56; implexum 73:276; 74:482, 484-485; kerneri 71:120; kockianum 75:267; riparium 58:122; 71:116, 526; 73: 269, 275; 74:411, 415, 484; 75:58, 267; f. polyrhizum 73:276; 74:482; f. riparium 73:275; 74:482; f. validum 73:276; 74:485; var. implexum 71:121; 72:116, 318, 332; spp. 71: 117, 119; tortuosum 71:121; 72:116, 318, 332; 74:266, 415; 75:267
Rhizomnium pseudopunctatum 72:494
Rhizophora 69:432; 75:105; mangle 57:276, 279, 287; 66:19; 69:432; 73: 206; 75:102-105
Rhizophoraceae 67:343; 69:432
Rhizopus sp. 73:308
Rhizosolenia eriensis 71:468
Rhodobryum roseum 53:124; 62:157
Rhodochorton 75:530, 535, 540, 566; amphiroae 75:551; attenuatum 75: 583; catenulatum 75:86, 557; concrescens 75:569; daviesii 75:81, 551; efflorescens 75:584; emergens 75: 572; endophyticum 75:574; entozoicum 75:589-590, 608; hallandicum 75:84; humile 75:569; infestans 75: 91; intermedium 75:536; islandicum 75:536, 541; membranaceum 75:91, 94, 566; mesocarpum var. penicilliforme 75:585; microscopicum 75:86, 557; moniliforme 75:87, 558; parasiticum 75:536, 540; penetrale 75: 92; penicilliforme 75:585-586, 603 (figs. 62-63), 608; purpureum 71: 132; 72:118, 200, 207, 230-232, 239, 325, 335; 74:426; 75:585-586, 603 (figs. 62-63), 608; rhipidandra 75: 541; rothii 75:537, 540; spetsbergense 75:585; subsimplex 75:576; tenue 75:537, 540; tenuissimum 75: 576, 581; thuretii 75:88, 560; virgatulum 75:94, 577
Rhododendron 51:367; 52:230; 55: 205; 62:87; 75:517; austrinum 75: 396-397; calendulaceum 65:283; 75: 396; canadense 52:296; 64:98-99; 65:78, 93; 67:373; 68:36; 72:1, 14, 523; 75:320; canescens 75:397; cumberlandense 51:367; ×**gladwynense** 55:207-208, (pl. 1193); lapponicum 55:295; 60:251; 67:365, 381; 71:200; 74:367-368, 370, 374; maximum 52:215, 279; 57:193; 60: 328-329; 61:148; 62:87, 92-93; 63: 26-27, 61-66, 68-70; 65:22-23, 24 (map 1), 25; 71:201; 73:246, 248; 75:163; minus 73:246; prunifolium 55:205-207; ×serrulatum 55:206; roseum f. **albidum** 62:131; serrulatum 55:206; 66:379; sp. 72:79
Rhododermis elegans 74:426; georgii 71:134; 72:209; **parasitica** 71:134
Rhodomela confervoides 66:223-224, 229; 71:124, 138; 72:118, 201, 230, 232, 239, 325, 335; 74:270, 426; f. gracilior 66:224, 229; lycopodioides 71:154; subfusca 66:229
Rhodomelaceae 71:137; 72:226; 74: 270; 75:280
Rhodomenia baerii 66:235; juergensii 66:235
Rhodomonas lacustris 71:464 (fig. 39), 465, 470
Rhodophyceae 71:130; 72:117, 194-235; 74:268, 411, 421, 433; 75:54, 59
Rhodophycophyta 75:271, 294
Rhodophyllidaceae 71:135; 72:214; 74: 269
Rhodophyllis dichotoma 71:154; 72: 215, 230, 239, 313, 325; 74:427
Rhodophysema elegans 71:134; 72: 326; 74:426-427; georgii 71:134; 72:201, 209, 239, 325, 335
Rhodophyta 63:281; 66:224; 71:130, 527; 72:322; 73:282; 74:298; 75:78, 529, 531-532, 546, 556, 562, 588, 593
Rhodora 75:509
Rhodospatha picta 62:256
Rhodotypos scandens 52:295; 69:311, 318
Rhodymenia 75:584; palmata 66:219 (pl. 1298), 220, 229; 71:116, 132, 136; 72:118, 200, 206, 219, 231-232, 239, 325, 335; 74:269, 427

Rhodymeniaceae 71:135; 72:218; 74: 269
Rhodymeniales 71:135, 527; 72:218; 73:284
Rhoeo 71:564; discolor 67:323; spathacea 67:323; 71:441
Rhus 51:367; acutiloba 73:402, 413; aegopodiifolia 73:132, 133 (fig. 9); ambigua 73:131, 206, 210-211; f. rishiriensis 73:206, 212; applegatei 73:142; aromatica 71:303; 73:411; 75:135; bahamensis 73:443; blodgettii 73:190, 203; borneensis 73: 164, 165 (fig. 25); carpogena 73: 131; copallina 54:79; 63:150; 73: 95, 123, 172, 494, 501, 504, 506; var. copallina 73:119, 121, 123 (fig. 1), 125 (fig. 3), 128 (fig. 6); var. leucantha 73:119, 121; copallinum 54: 79; coriaria 73:8, 95, 118-119, 121, 123 (fig. 1), 125 (fig. 3B), 128 (fig. 6), 129 (fig. 7), 134; divaricata 73: 270; diversifolia 73:180; diversiloba 73:139, 172, 180, 185, 399; f. quinquefolia 73:175; f. radicans 73:175, 182; eximia 73:383; floridana 73: 191; glabra 51:9-10; 54:303; 73:85, 119, 121, 123, 129, 131, 190, 202; greenei 73:370, 374; griffithii 73: 95; hirta 73:85; humilis 73:190, 202; ×hybrida 51:10; hypoleuca 73:96; intermedia 73:213, 216; javanica 73:95-96, 128, 172; littoralis 73:191, 201, 435; lobata 73: 173 (fig. 29), 175, 180; magnifolia 73:136 (fig. 11), 138; michauxii 73: 93, 134, 399; microcarpa 73:190; microphylla 51:25; 52:19-20; nodosa 73:168, 169 (fig. 28), 171; orientalis 73:206, 211; paniculata 73:96, 99; parakensis 73:168, 171; pubescens 73:414; pumila 73:399, 443; punjabensis 73:94-96; var. sinica 73:119, 121; quercifolia 73:132, 133 (fig. 9), 134, 135 (fig. 10), 402, 412, 443; radicans 55:172; 57:276-278, 282, 286; 58:82; 60:70; 63:66; 71: 19-20, 25-26; 73:84, 186, 188 (fig. 32), 190, 198, 202, 411, 415; f. hypomalaca 73:428-429; f. malacotrichocarpa 73:191; var. divaricata 73: 370; var. laetevirens 73:370; var. littoralis 73:191, 201; var. microcarpon 73:190; var. radicans 72: 521; var. rydbergii 54:64; 70:182; 73:380, 388; var. toxicodendron 73:190, 412; var. verrucosa 73:221, 377; var. volubilis 73:443; var. vulgaris 73:388; f. intercursa 73:189 (fig. 33), 191; f. negundo 73:228; rhomboides 73:376 (fig. 45), 378, 383; rishiriensis 73:102, 206, 212, 400; rydbergii 73:199, 399; saxatilis 73:370, 374-375; scandens 73:190, 202; semialata 73:128; succedanea var. japonica 73:210; sylvestris 73: 94; toxicarium 73:402; toxicodendra 73:402; toxicodendroides 73: 134; toxicodendron 73:82, 84, 100, 155, 162, 211, 402, 404 (fig. 52), 411-413, 443; f. elobata 73:87, 405, 414; f. leiocarpa 73:405, 415; f. malacotrichocarpum 73:191; f. radicans 73:190, 412; microcarpum 73: 190; subsp. diversiloba 73:172, 175; subsp. microcarpon 73:190; subsp. negundo 73:228; subsp. radicans 73:190, 412; subsp. vulgaris var. volubilis 73:443; var. eximia 73: 383; var. hispida 73:213, 214 (fig. 37), 216; var. microcarpon 73:84, 190; var. multifolia 73:182, 218, 221; var. pubens 73:218, 221, 226; var. quercifolium 73:84, 402, 412; var. radicans 73:190, 412; var. rydbergii 73:388; var. vulgaris 73: 84, 211, 388; trichocarpum 73:94; tridentatum 73:370, 375; trilobata 56:208; 73:375; var. pilosissima 51: 19, 25; typhina 51:10, 111; 53:10; 54:303; 56:228; 71:171; 72:521; 73: 85, 119, 121, 123, 129, 131; varielobata 73:175; variifolium 73:443; venenata 73:100; vernicifluum 73: 94; vernix 51:10; 52:227, 263; 71: 32; verrucosa 73:221, 377 (fig. 46), 379-380, 383; villosum 73:224, 226; virens 73:388; wallichii 73:94
Rhus-Toxicodendron radicans 73:412; toxicodendron 73:412
Rhynchelytrum 68:108, 296; repens 68:296; 69:372; 75:413; roseum 57: 284; 73:47, 75:413
Rhynchosia 69:414; galactioides 61: 183; 64:60; lewtonii 57:286; michauxii 57:278, 286; minima 57:286; 67:335; 69:414; phaseoloides 67: 335; pitcheria 64:60; reniformis 64: 61-62; reticulata 67:335; 69:414; sessiliflora 51:380; simplicifolia 64: 61-62; var. tomentosa 73:493; tomentosa var. monophylla 64:62
Rhynchosinapis cheiranthos 63:346; erucastrum 63:345
Rhynchospora 67:114; sect. Eurhynchospora 52:23; 58:335; ser. Plumosae 58:335; sect. Plumosae 58: 335; alba 53:160; 55:127; 65:28-29; 67:321; 70:206-208; 72:512; 73:256; andina 67:116, 119; aristata 67:115, 117; var. latilaminata 67:117-118; bahamensis 67:332; baldwinii 51: 130; 62:202 (pl. 1254); berterii 67: 321; blauneri 67:321; boliviensis 67:

116, 120; borinquensis 67:322; brachychaeta 67:321; **breviseta** 58: 336, 337 (figs. 4-7), 338-340, 342-343; bruneri 67:321; caduca 71:31; 73:552; capillacea 53:14; 57:113; 65:28, 32, 78; 67:192; 73:253; 75: 161; f. leviseta 54:222; capitellata 52:257; 55:18; 57:305; 61:279; 64: 349; 65:28-29; 68:453; 72:9; 73: 256; cephalantha 71:31; chalarocephala 71:31; chapmanii 71:31; ciliata 67:124; confinis 67:115-116, 123; corniculata 62:202 (pl. 1254); 64:357; 71:31; var. interior 52:23; var. typica 52:22; corymbosa 67: 115, 118; cymosa 52:23; 67:322; cyperoides 67:115, 119; 73:160; debilis 51:130; 54:170; diadon 58: 336, 343; distans 67:322; divergens 51:130; 52:257; emaciata 67:116, 122; exaltata 67:116, 119; var. cephalophora 67:119; var. ovalis 67:119; fascicularis 67:332; fernaldii 75:380; filifolia 71:31; filiformis 67:321; fusca 53:159-160; 57:305; 61:280; 65:28, 30; glauca 67:115, 121, 322; globosa 67:115, 120; var. loefgrenii 67:120; globularis 66:54; 67:322; var. recognita 52:23; var. typica 70:397 (fig. 2, map); glomerata 52:23; 71:31; var. angusta 52:23; var. capitellata 68: 453; var. minor 68:453; gracilenta 51:130; 71:31; harveyi 52:23; 71: 31; hirta 67:115, 120; hispidula 67: 321; inexpansa 71:31; intermedia 58:335, 342-343; intermixta 67:321; inundata 65:28, 32; jamaicensis 67: 321; lindeniana var. bahamensis 67: 322; lunata 58:336; luquillensis 67: 321; luzuliformis 67:116, 122; macra 71:31; macrochaeta 67:115-116; var. columbiensis f. condensata 67:117; var. quinquespicata 67: 117; var. ruiziana 67:117; macrostachya 64:357; 65:28, 31; var. colpophila 54:170; marisculus 67:115, 121, 322; microcarpa 51:131; 67: 322; microcephala 71:31; millegrana 67:115, 124; mixta 51:131; 54:170; nervosa 67:115, 123, 321; var. jelskiana 67:124; nitens 67: 321; odorata 67:322; oligantha 58: 335-336, 337 (figs. 1-3), 338-340, 342-343; 71:31; var. breviseta 58: 335-336; var. oligantha 58:335-336; perplexa 51:131; 52:257; 75:368; pleiantha 54:170; 75:380; plumosa 58:335, 342-343; 71:31; var. interrupta 58:335, 342; podosperma 67: 321; polyphylla 67:115, 118, 321; var. laxa 67:118; var. longispicu-losa 67:118; puberula 67:115, 124; pusilla 67:321; racemosa 67:322; radicans 67:115, 321; rariflora 58: 343; 71:31; robusta 67:116, 121; rugosa 67:322; saxicola 70:394, 397 (fig. 2, map), 405; schiedeana 67: 115, 117; setacea 67:116, 123; stellata 67:321; tenerrima 67:123; tenuis 67:116, 122; var. emaciata 67:122; torreyana 65:28, 32; tracyi 71:31; trichodes 67:321; umbraticola var. kuntzei 67:115-116; velutina var. sellowiana 67:116, 122; wrightiana 52:258

Rhynchostegium murale 62:171; serrulatum 62:165

Rhytidiadelphus squarrosus 58:249; 62:168; triquetrus 62:168

Rhytidium rugosum 64:125

Rhytiglossa 71:548; leucophloea 71: 548

Rhytisma vaccinii 64:133

Ribes 51:24; 55:46; 61:272; americanum 55:226; 63:50, 52; aureum 70:48; cereum 51:20, 24; 56:208; 74:391; cynosbati 63:50, 53-54, 348; echinellum 64:150, 155 (fig. 14); glandulosum 55:164; 63:50, 52; 65: 92, 338; 71:514; 72:518; 75:318; grossularia 63:50, 54; hirtellum 55:164; 63:43, 50, 52, 348; 66:146; 70:182; 71:514; 72:339, 347-348; 75:318; var. calcicola 53:11; 63:50, 53; 65:91; 66:146; 72:13, 347, 518; var. hirtellum 65:91; 72:518; var. saxosum 63:50, 53-54; 69:32; hudsonianum 55:164; lacustre 55:164; 63:51-52; 65:92; 71:514; 72:518; 75:318; leptanthum 56:212; longiflorum 70:48; missouriense 63:51; 73:302; nigrum 63:51, 54; odoratum 53:226; 63:51, 54; oxyacanthoides 55:164; 72:348; var. calcicola 72: 347-348; prostratum 55:164; rotundifolium 63:51, 53-54, 348; rubrum 53:245; sativum 63:51, 54; 72:518; triste 53:245; 55:164; 63:51-52; 70:210; 72:518; vulgare 53:245

Riccardia latifrons 59:258; multifida 53:121; 59:26, 258; palmata 53:121; 59:258; pinguis 53:121; 59:26

Riccardiaceae 53:131

Riccia fluitans 53:122

Ricciaceae 53:122

Richardia brasiliensis 67:354

Ricinella ricinella 67:337

Ricinus 69:421; communis 57:286; 69: 421; 73:49

Riedlea hirsuta 67:340

Rinodina antillarum 57:323-324; boergesenii 57:323-324; pyxinoides 57: 323-324

Rivea campanulata 67:348; 69:437; corymbosa 65:116, 119 (fig.)
Rivina 69:404; humilis 57:277, 285; 69:404
Rivularia 64:58; atra 73:268; haematites 58:117, 122; minutula 58:122; nitida 73:268; 75:293; rufescens 58: 117, 122
Rivulariaceae 63:281; 67:252; 71:117; 75:292
Robinia candida 51:374; coccinea 70: 18; hispida 53:269; 54:255; pseudoacacia 52:295; 56:255; 58:26; sericea 51:374; viscosa 74:321
Roegneria 70:467
Romanschulzia alpina 58:156; apetala 58:149, 155-156; arabiformis 58: 154; 62:12, 16, 19; elata 58:151; **meyeri** 58:149, 150 (figs. 1-4), 151; **schistacea** 58:152, 154, 155 (fig. 6); **subclavata** 58:152-153; turritoides 58:151 (fig. 5)
Rondeletia 69:446; pilosa 69:446
Rorippa 63:1; amphibia 63:49, 55; **crystallina** 64:325 (pl. 1271), 326; curvisiliqua 63:3; heterophylla 59: 18; 71:552; hispida 51:168; indica 59:17-18; 71:552; var. apetala 71: 552-553; var. indica 71:552; islandica 55:160; 58:65; 63:49, 53-54; var. fernaldiana 55:154, 160; 63:49, 51; 72:518; 74:144; 75:318; var. hispida 51:168; 55:154, 225; 63:49, 52; 69:373; 75:318; var. islandica 74:144; var. microcarpa 55:154; mexicana 62:16, 18; microphylla 64:32, 33 (fig. 1), 34 (fig. 2), 35, 36 (fig. 3, map), 37, 41-42; **microtitis** 59:71; montana 71:552; nasturtium-aquaticum 64:32, 33 (fig. 1), 34 (fig. 2), 35, 36 (fig. 3, map), 37-38, 42, 324; 67:331; 69:373; var. siifolia 64:35; palustris 67:331; 69: 373; pinnata 62:17 (fig. 1), 18-19; portoricensis 63:9; 67:331; **ramosa** 63:4, 5 (figs. A-C), 6; sessiliflora 60:260; 63:49, 55; 74:144; sinuata 53:225; 63:1-4, 6-7; ×sterilis 64: 32, 35, 36 (fig. 3, map), 37, 42; sylvestris 63:49, 54; 72:164, 360, 518; walteri 62:18; 63:6-9
Rosa acicularis 55:44, 169; 69:311, 317; subsp. **acicularis** f. **alba** 60: 242; subsp. sayi f. **plena** 60:242; var. bourgeauiana 55:169; 69:311, 317; var. gmelini f. alba 60:242; var. lacorum 55:169; var. rotunda 55:169; var. sayiana 55:169; adenosepala 60:240; arkansana 60:241; f. **alba** 60:241; f. **plena** 60:241; f. **setulosa** 60:241; var. suffulta 56: 70-74, 76-79; arkansoides f. alba 60:241; aucuparia 56:70-71, 75; blanda 55:169; 56:228; 60:240; 62:331; 69:311, 317; carpohispida 60:240; f. **carpohispida** 60:240; var. hispida 60:240; ×pisocarpa 60:238; bushii 56:70-72, 74, 76; canina 69: 311, 318; carolina 56:74-76, 78-79; 60:240, 242; 69:311, 315; 71:25; conglobata 60:242; f. glandulosa 56:71, 74, 78; f. **plena** 60:242; inermis 60:239; salicifolia 60:239; var. alba 60:240; var. flore pleno 60:242; var. grandiflora 69:312, 317; var. hemisphaerica 60:240; var. inermis 60:239; var. pimpinellifolia 60:240; var. plena 60:242; var. scandens 60:240; var. setigera 60:237; var. villosa 56:71, 74, 78; 69:312, 317; ×nitida 60:237; cinnamomea 69:312, 318; 72:520; conjuncta 56:70-74, 76; eglanteria 52: 58; 69:312, 318; gallica 65:75; 69: 312, 318; heliophila f. alba 60:241; hudsonia flore multiplici 60:240; salicifolia 60:239; subcorymbosa 60: 240; hudsoniana 60:239; humilis var. plena 60:242; johannensis 69: 312, 317; macdougali ×ultramontana 60:240; micrantha 57:314; 61:25; 69:312; multiflora 54:254; 69:312, 318; nitida 60:238; 65:92; 69:312, 315; 71:25; 72:520; f. **spinosa** 60:237-239; ×palustris 60: 237; ×virginiana 60:237-239; palmeri 56:70-71, 74; palustris 60:238-240; 69:312, 315; 72:79; f. **alba** 60: 240; f. **inermis** 60:239; f. **plena** 60: 240; var. inermis 60:239; parviflora 60:242; (flore multiplici) 60: 242; pleno 60:242; pennsylvanica var. flore pleno 60:242; plena 60: 242; petiolata 56:70-71, 74-76; polyanthema 56:70-71, 76-77; pratincola f. alba 60:241; setulosa 60: 241; relicta 56:70-71, 77-78; rubifolia 53:132; rubrifolia 69:312; rudiuscula 56:70-71, 78-79; rugosa 69:312, 318; 70:223; 71:19, 25; 72: 250; 75:318; setigera 54:254; 69: 312, 318; f. **alba** 54:254; var. tomentosa 53:132; 69:312, 318; spinosissima 69:312, 318; subserrulata 56:70-71, 78; suffulta 56:71-73, 76-78; f. alba 60:241; f. setulosa 60: 241; virginiana 53:20; 56:71, 75-76; 60:237-239; 65:92; 69:312, 315; 72:520; ×nitida 72:520; woodsii f. **hispida** 60:240; ×blanda 60:238
Rosaceae 55:162; 63:211; 67:331; 69: 306, 408; 75:313, 318
Rosales 60:101
Rosidae 70:425

Rotala 64:147; ramosior 64:152, 157 (fig. 27); 73:47; 75:422; var. interior 51:21
Rotantha floridana 65:329; robinsiae 65:331
Rothia artemisiaefolia 58:302; caroliniensis 58:165, 295; corymbosa 58:297; degenerica 58:307; filifolia 58:214; flavescens 58:264; intermedia 58:307; mexicana 58:254; pinnata 58:307; pusilla 58:307; tenuifolius 58:260
Rottboellia 65:146; exaltata 65:146
Roubieva multifida 60:300, 305
Rourea 70:335
Rubiaceae 52:297; 55:192; 63:211-212, 218, 220; 66:14; 67:218, 352; 69:395, 444; 70:416; 71:33, 497, 535; 72:35; 73:48; 75:111, 321, 421
Rubus 51:367; 52:248; 54:14, 17; 64:353; 69:306; 70:221; 72:240-241, 547; sect. Alleghenienses 51:45-46, 49-50; 64:167; sect. Arguti 51:47, 49-50; sect. Canadenses 51:49; sect. Setosi 51:46; subgen. Chamaemorus 52:248; subgen. Cylactis 52:248; subgen. Eubatus 52:248; 68:474; 69:306; 72:240, 249; subgen. Idaeobatus 52:248; abactus 68:484, 510; abbrevians 68:482, 510; 69:312; acaulis 53:6, 16; 54:141; 58:322; 67:382; 70:210; aculiferus 68:483, 510; 69:312; 72:247; adjacens 65:269; 68:510; 69:313; 72:245; alius 68:510; allegheniensis 51:44-45, 47, 50; 53:30-31; 64:18, 161-164, 165 (fig. 1) 166; 65:92, 262; 68:475, 484, 486-487, 494, 503-504, 507-508, 510-511; 69:312, 314-315; 72:242, 244-245, 247, 249, 349; f. **calycosus** 51:44; f. **rubrobaccus** 53:30; f. **suffultus** 51:43-44, 50, (pl. 1130); var. albinus 53:31; var. allegheniensis 72:520; var. calycosus 51:44; var. gravesii 51:43; 69:312; var. neoscoticus 64:167; 69:312, 317; var. plausus 57:314; 69:312; var. **populifolius** 51:43, 47, (pl. 1130); 69:312; ×frondosus 72:249; ×hispidus 69:312; ×pensilvanicus 68:510-511; 69:312; 72:249; ×setosus 69:312; ×vermontanus 69:312; alter 68:510; alumnus 51:45-46; 62:240; 63:20; 68:510; 69:312; amicalis 64:101-102; 68:510; 69:313; amnicola 68:510; 69:314; andrewsianus 51:47-48; 68:510; apianus 51:45; apparatus 68:510; aptatus 68:510; arcticus 53:17; 67:382; 71:505, 507-508; arcuans 64:353; 68:510; 69:314; arenicola 68:478, 481, 486, 488, 493, 510-511; 69:312, 316; 72:241, 244, 249; ×semisetosus 72:244; argutus 68:483, 487, 499, 505, 510-511; 69:313, 316; 72:250; arundelanus 68:510; 69:314; var. jeckylanus 69:314; ascendens 68:510; 69:314; auroralis 51:45; 68:510; avipes 68:510; 69:314; baileyanus 68:479-480, 510; 69:313; barbarus 68:510; 69:314; bellobatus 68:484, 510; 69:313; betulifolius 66:379; bicknellii 68:481, 510; biformispinus 64:353; 68:510; 69:312; bifrons 68:487; 69:313; bigelovianus 51:46-47; 68:510; blakei 68:510; 69:313; blanchardianus 68:510; 69:313; bootianus 68:484, 510; brainerdii 68:510; 69:312; brevipedalis 68:510; canadenis 51:49; 64:101-102; 65:92; 66:149; 68:477, 484, 486, 500, 502, 508, 511; 69:313, 315; 72:248-249, 520; var. pergratus 51:49; ×allegheniensis 72:248; ×elegantulus 72:248; ×pensilvanicus 72:248; chamaemorus 56:272-273, (pl. 1204); 58:323, 327, 329 (map); 65:218, 286; 66:141; 67:382, 408; 69:313, 316; 75:318; coloniatus 68:510; conanicutensis 68:510; coronarius 69:373; cubitans 68:510; 69:313; cuneifolius 68:477, 487, 499; 69:313, 316; 72:250; 73:492; curtipes 68:510; 69:312; deaneanus 68:510; deliciosus 51:20, 24; 56:208; eflagellaris 68:510; electus 68:510; elegantulus 64:101-102, 354; 66:149; 68:478, 481-483, 486-487, 497, 500, 502-503, 510-511; 69:313, 316; 72:242, 244, 246-249; ×allegheniensis 72:249; ×vermontanus 69:313; enslenii 59:126; 60:67; 63:21; 68:486, 488, 490, 510-511; 69:313, 316; 72:243-244, 249, 349; ×pensilvanicus 72:243, 547; ×recurvicaulis 72:243; facetus 68:510; 69:314; felix 68:510; 69:313; fernaldianus 68:510; flagellaris 68:480, 482, 484, 486-492, 510-511; 69:313, 316; 72:241-242, 249; f. roseo-plenus 62:130; var. occidualis f. **roseo-plenus** 62:130; f. **roseus** 62:130; ×allegheniensis 72:242; ×frondosus 72:242, 244; flavinanus 69:314; florenceae 58:272; floricomus 69:314; frondisentis 64:167; 68:510; 69:312; 72:249, 520; frondosus 68:480-481, 486-487, 505-508, 510-511; 69:313, 316; 72:243-244, 248-249; fruticosus 68:475; geophilus 68:510; glandicaulis 51:51; 64:167; 68:510; 69:312; gnarus 68:510; grandidens 64:353; gravesii 68:510; groutianus 68:497, 510; 69:314; 72:246; hanesii 58:272;

harmonius 68:510; heterogeneous 68:510; heterophyllus 68:510; hispidoides 68:510; 69:314; hispidus 64: 353-354; 65:262, 265-267, 268 (fig. 1), 269, 273; 66:415; 67:402; 68: 475, 483, 486, 493-494, 510-511; 69: 313, 315; 71:25; 72:240, 242-243, 245, 249; 75:18; var. hispidus 72: 520; var. obovalis 69:313, 315; ×allegheniensis 68:510-511; 72:245; ×flagellaris 68:511; ×setosus 65: 268 (fig. 1); 68:510-512; 69:313; 72:245; ×sp. 69:313; ×vermontanus 68:512; 72:245; honrus 68:510; idaeus 66:147-148, 154; 69:313, 318; 71:514; var. aculeatissimus 65:92; 66:147, 152; var. canadensis 55:169; 65:92; 66:147-148; 69:313-315; 72: 520; 75:318; var. caudatus 52:71; var. egglestonii 69:313, 317; var. heterolasius 69:313, 317; 72:520; var. idaeus 72:519; var. **nesophilus** 66:148; var. strigosus 52:57; 55:45, 169; 65:92; 66:147; 69:313, 315; 71: 25, 521; 72:519; 74:144; f. **niveus** 52:57; f. tonsus 65:92; 66:147-148; illecebrosus 69:313, 317; insons 68: 510; insulanus 68:510; 69:313; invisus 68:510; jacens 65:269; 68:478, 510; 69:313; 72:245; jactus 68:510; 69:312; janssonii 68:510; jaysmithii 68:482, 486, 488-489, 511; 69:313, 316; 72:241-242, 249; ×elegantulus 72:242; ×hispidus 72:242; jeckylanus 68:510; jugosus 68:510; 69: 313; junceus 68:510; junior 68:510; kalamazoensis 58:272; kennedyanus 68:510; laciniatus 57:267; 60:42; 63: 149; 68:487; 69:314, 318; laevior 68: 510; 69:312; latens 68:511; lawrencei 68:511; 69:314; licitus 68:511; longii 72:136; longissimus 51:45; 68:511; mainensis 68:511; maniseesinsis 68: 511; marilandicus 51:45; millspaughii 68:511; miscix 68:511; 69: 314; montpelierensis 68:511; multiformis 68:511; 69:313; 72:243; multilicus 68:511; 69:313; multispinus 68:507, 511; 69:313; ×neglectus 69: 314; nigricans 68:511; nigrobaccus 51:45; 68:511; var. calycosus 51:44; notatus 68:511; novanglicus 68:511; nutkanus 55:54; obsessus 68:511; occidentalis 60:67; 69:314-315; 74:144; f. pallidus 61:25; odoratus 69:314-315; 72:491; orarius 51:50; 62:240; 68:484, 511; ortivus 68:511; 69:314; ostryifolius 68:484, 511; paludivagus 68:483, 511; 69:393; parlinii 68: 511; 69:314; 72:246; parviflorus 54: 236; 55:45, 169; 60:249, 251; paulus 68:511; 69:312; pauper 68:511; 69: 313; peculiaris 68:511; pensilvanicus 51:47-50; 60:67; 67:196; 68: 481, 484, 487, 501, 503, 505, 507-508, 510-511; 69:314-315; 72:243-244, 248-249, 349, 520; f. **phyllophorus** 51:49; ×vermontanus 69: 314; pergratus 51:47, 49; 68:481, 511; perinvisus 68:511; 69:314; permixtus 68:511; 69:312; 72:245; pernagaeus 52:227; perpauper 68: 511; 69:313; pervarius 68:511; philadelphicus 51:47-49; 68:511; phoenicolasius 60:42; 69:314; 318; plicatifolius 68:479, 481, 492, 511; 69:314; positivus 68:511; probus 67:331; procerus 74:144; procumbens 68:511; prosper 68:511; pubescens 55:46, 168; 69:314-315; 72:519; var. pilosifolius 65:92; 66:147; 69:314, 316; var. pubescens 65:92; pudens 68:511; pugnax 51:50; 68:511; 69:312; randii 68:511; rappii 51:45; ravus 64:162-163, 167; 68:511; 69:33, 312; recurvans 68:481, 511; 69:313; recurvicaulis 68:478-479, 481, 484, 486, 488-489, 491-493, 510-512; 69:314-315; 72:241, 243-244, 249, 520; ×allegheniensis 72:244; ×elegantulus 72:242, 244; ×frondosus 72:244; ×hispidus 72:243; ×pensilvanicus 72:249; ×setosus 68:510; 69:314; 72:243, 520; ×vermontanus 68:511; 69:314; 72:243; rhodinsulanus 68:511; rixosus 68:511; roribaccus 68:511; rosa 51:45-46; 68: 511; rossbergianus 68:511; saltuensis 68:511; 69:312; sanfordii 68: 511; sativus 68:511; scambens 68: 511; 69:313; **sceleratus** 51:40-51, (pls. 1131-1132); 64:167; 68:480; 69:312; 72:247; schoolcraftianus 58: 272; semierectus 68:511; semisetosus 68:478, 483, 486, 497-499, 510-511; 69:314, 316; 72:244, 246-249, 520; ×frondosus 72:248; sempervirens 68:511; separ 51:45; setosus 51:47; 64:167, 354; 65:262, 265-267, 268 (fig. 1), 269; 68:475, 483-484, 486, 494-495, 497, 499, 502, 504, 510-512; 69:314-315; 72:240, 243, 245-246, 249; ×allegheniensis 68:510-511; 72:247, 520; ×elegantulus 72:246; ×semisetosus 72:246; ×vermontanus 68:510-512; 69:314; 72:246-247; severus 68:480, 497, 511; 69:314; 72:243; significans 68:511; spectabilis 73:139; spiculosus 65:269; 68:511; 69:313; strigosus 51:49; var. caudatus 52:71; tardatus 68:478, 511; 69:314; tavus 69:33; tetricus 68:511; 69:313; tholiformis 65:269; 68:511; 69:313;

trifrons 65:269; 68:512; 69:313; 72:245; var. pudens 69:313; triphyllus 69:314, 318; trivialis 71: 32; 73:493, 504, 506-507, 509, 511, 513; uber 51:45; udus 68:512; univocus 68:512; 69:314; 72:246; usus 68:512; vermontanus 65:92; 66:149; 68:478, 481, 484, 486, 494, 496-500, 502, 510-511; 69:314-315; 72:243, 245-249; ×allegheniensis 68:511; 72:248; ×elegantulus 68:511; 72: 247; ×pensilvanicus 68:511; ×semisetosus 72:247; vigoratus 68:512; virginianus 51:45; viridifrons 68: 512

Rudbeckia 56:256; 64:328; 70:353, 359; subgen. Rudbeckia 59:293; acuminata 59:297; alismaefolia 59: 298; amplectens 59:295; amplexicaulis 54:119; 70:353; atrorubens 59:299; beadlei 59:299; bicolor 59: 296; 63:20; brittonii 59:295; californica var. californica 59:290; var. glauca 59:290; var. **intermedia** 59:289; chapmani 59:297; chrysomela 59:297; columnaris 70:48, 369-370; columnifera 57:291; 70:48, 369-370; coryi 59:298; deami 59: 297; divergens 59:296; flava 59:296; var. perbracteata 59:296; flexuosa 59:296; floridana 59:296; var. angustifolia 59:296; foliosa 59:297; fulgida 59:293-294, 296-297; var. **auriculata** 63:119; var. **deamii** 59: 297; var. fulgida 59:296-297; 63: 120; var. missouriensis 59:296; var. **palustris** 59:297; var. **spathulata** 59:297-298; 63:120; var. **speciosa** 59:297; var. sullivantii 59:297; var. umbrosa 59:297; glabra 66:308; globosa 70:383; graminifolia 59:293-294, 299; grandiflora 59:294, 298; 63: 148; var. alismaefolia 59:298; var. grandiflora 59:298; heliopsidis 59: 294, 298; hirta 55:198; 59:293-295; 71:34; 74:108; 75:136, 407; var. **angustifolia** 59:295-296; 74:108; var. brittonii 59:295; 60:126; var. corymbifera 59:295-296; 74:108; var. **floridana** 59:295-296; 74:108; var. hirta 59:295; 74:108; var. monticola 59:295; var. pulcherrima 59:293, 295-296; 74:108; var. sericea 59:296; intermedia 59:298; laciniata 55:225; var. **bipinnata** 64: 328-329; var. digitata 64:329; var. laciniata 64:329; var. **montana** 64: 329; lanceolata 59:296; longipes 59: 296; missouriensis 51:28; 53:112; 59:294, 296; mohrii 66:381; mollis 59:294, 298; 60:29; 75:407; monticola 59:295; nitida 66:381; var. nitida 64:328; var. **texana** 64:328; odorata 59:298; palustris 59:297; pinnata 70:350, 357; pinnatiloba 59:299; purpurea var. serotina 57:290-291; 58:286; 70:49; rupestris 59:299; sericea 59:296; 66:380; serotina 59:296; 60:66; 72:527; 74:109; f. homochroma 69:33; f. pleniflora 69:33; var. corymbifera 59:296; var. lanceolata 59:296; var. sericea 59:296; spathulata 59:298; speciosa 59:297; var. sullivantii 59:297; strigosa 59:296; subtomentosa 59:294, 298; 63:148; var. craigii 59:298; sullivantii 59: 297; tagetes 70:350; tenax 59:297; 60:127; tomentosa 59:298; triloba 59:293-294, 298-299; 75:136; pinnatiloba 59:299; var. beadlei 59:299; var. pinnatiloba 59:298-299; var. rupestris 59:298-299; var. triloba 59:298-299; truncata 59:297; umbrosa 54:254; 59:297

Rudgea jasminoides 66:56-57

Ruellia 55:353; 64:200; 68:432; 69: 444; caroliniensis 57:320; 63:20; 64:90, 200, 203-206; 68:432; 73: 111, 496; f. alba 62:131; ciliosa 64: 206; coccinea 69:444; heteromorpha 64:206; humilis 64:201, 204-206; var. longifolia f. alba 62:131; hybrida 64:90; intermedia 68:434; lorentziana 68:433 (pl. 1336), 434; noctiflora 71:33; nudiflora 68:434; var. occidentalis 68:432; oblongifolia 66:379; occidentalis 68:432; pedunculata 64:204-206; f. **baueri** 51:118; purshiana 64:206; strepens 54:213, 258; 64:201-206; f. **alba** 54: 258; f. cleistantha 54:258; 64:202; var. cleistantha 64:202; succulenta 68:432; tuberosa 68:434; 69:444; tweediana 67:352; 69:444

Rumex acetosa 59:2-3, 5; 60:65, 299, 304; acetosella 51:8; 52:294; 55: 145, 225; 59:271; 60:65, 299, 304; 64:344-345; 65:91; 71:24, 520; 75: 317; f. integrifolius 57:265; var. acetosella 72:516; alluvius 59:7; 60: 55; alpestris 59:2-3, 5; alpinus 60: 299, 305; altissimus 60:299, 304; 72:516; ambiguus 59:2-3, 5; arcticus 65:216; arifolius 59:5; biformis 60:56; brittanica 60:55; bucephalophorus 53:22; crispus 55:145; 60: 55, 56 (fig. 1b), 65, 299, 304; 64: 343, 345; 70:451; 71:20, 24, 520; 72:393, 516; var. dentatus 60:56; ×obtusifolius 60:56-57, 299; ×orbiculatus 60:299; domesticus 58:247; 59:7; 60:299, 304; 63:42; 65:91; 71: 520; 72:516; 75:317; fenestratus 60:299, 302; 75:317; graminifolius

71:505; hastatulatus 60:299, 305; maritimus 60:299, 305; var. fuegi-nus 57:322; 60:300, 304; 71:24; mexicanus 53:5; 55:145; 56:247; 60: 300, 304; 64:343, 345; montanus 59:5; obtusifolius 60:55-56, 65, 300, 304; 64:341; 71:197; var. cristatus 60:56; occidentalis 51:167; 58:65; odontocarpus 59:7; 60:55-56; orbi-culatus 60:300, 302; 64:345; 71:300, 520; 72:516; 75:317; pallidus 60: 300, 304; 64:343, 345; 65:91; 71: 520; 72:516; 75:317; patientia 51: 167; 60:13, 300, 305; persicarioides 60:300, 304; pulcher 51:23; 60:55, 300, 305; subsp. divaricatus 52:167; stenophyllus 60:54-55, 56 (fig. 1a), 57; 63:42; 74:379; tenuifolius 59: 271; thyrsiflorus 59:1-5; trianguli-valvis 60:300, 304; verticillatus 60: 300, 303; 73:68
Rumohra adiantiformis 67:358
Ruppia anomala 67:317; maritima 66: 143; 67:317; 68:221; 70:442-443, 446; 71:22; 72:206; 73:105, 266, 273, 277; 74:479; 75:142; var. longipes 65:88; 66:143; occidentalis 63:40
Russellia 69:442; equisetiformis 69: 442
Ruta graveolens 60:17
Rutaceae 62:236; 63:211; 66:13; 67: 336; 69:416; 75:417
Ruttnera maritima 73:287
Rydbergia 59:131
Rytilix granularis 67:317

Sabacina incrustans 65:301
Sabal etonia 65:280; minor 51:21; 70: 220, 225; palmetto 57:275-276, 278, 284, (pl. 1215); 67:312; 70:573; 72:19; 73:206
Sabatia (see also Sabbatia) 55:353, 357; 57:1, 43, 78; 64:147; 72:551; sect. **Campestria** 73:362; sect. Do-decandrae 57:78; sect. Eusabatia 57:5; subsect. Angulares 57:6, 18; subsect. Campanulatae 57:6, 51; subsect. Campestres 57:5, 43; sub-sect. **Difformes** 57:5-7; subsect. **Dodecandrae** 57:5, 78; sect. Pleienta 57:78; sect. Pseudochironia 57:5, 97; 73:325, 329, 339; 341, 344 (fig. 24), 347, 349, 362; sect. Saba-tia 73:310, 328, 340, 344 (fig. 24), 349, 357; subsect. Angulares 73: 312, 328, 339-340, 343, 344 (fig. 24), 358; subsect. Campanulatae 73:317, 329, 339, 341, 344 (fig. 24), 346, 359; subsect. Campestres 73:315, 329, 339-340, 344 (fig. 24), 345; subsect. Difformes 73:310, 328, 339-340, 343, 344 (fig. 24), 357; sub-sect. Dodecandrae 73:321, 329, 339, 341, 344 (fig. 24), 347, 361; sub-gen. Eusabatia 57:5; subgen. Plurimaria 57:78, 96; subgen. Pseudochironia 57:96; alainii 57:67; amoena f. albiflora 57:58; angularis 57:18, 20, 21 (map 3), 30-31, 46; 73:312-314, 328, 331-332, 334 (fig. 4), 336, 339 (fig. 23), 340, 343-345, 348-349, 354-356, 358, 362; f. albi-flora 57:21; f. cleistantha 57:19, 22; ×quadrangula 73:343; arenicola 57:43-44, 47, 49, 50 (map 7), 51; 73:316, 327, 329-330, 334 (fig. 8), 336, 338, 339 (fig. 23), 340, 342, 344-346, 354, 362-363; **bartramii** 57:79, 91, 95, 98 (map 15), 103; 72:57; 73:324, 331, 335 (fig. 16), 337, 339 (fig. 23), 341, 344-345, 347-351, 361-362; ×dodecandra var. foliosa 73:347, 351; boykinii 57:99; brachiata 57:18, 20, 27, 29-32, 47, 50 (map 5); 73:314-315, 327-328, 332-333, 334 (fig. 5), 336-337, 339 (fig. 23), 340, 344-345, 348, 355, 358, 363; f. candida 57:23, 27, 30; ×bar-tramii 73:352; ×dodecandra var. foliosa 73:352; brevifolia 57:52, 65 (map 11), 68; 73:321, 334 (fig. 10), 336, 339 (fig. 23), 341, 344-346, 348-349, 354, 357-359, 363; calycina 57:65 (map 12), 78-79, 93, 103; 67: 304; 73:321-322, 327, 329-330, 335 (fig. 17), 336, 339 (fig. 23), 341-342, 344-345, 348-350, 354, 360-361, 363; ×stellaris 73:353; campanulata 57: 50 (map 8), 51-52, 57, 60-61, 66, 81, 103, 287; 71:33; 73:317-319, 329, 331, 334 (fig. 11), 336, 339 (fig. 23), 341, 344-346, 349, 355, 357, 359-360; var. gracilis 57:57; var. grandiflora 57:64; ×angularis 73: 352; ×grandiflora 73:347, 351; ×stellaris 73:351; campestris 57: 20, 31-32, 43-44, 46-47, 49, 50 (map 5), 51; 64:153, 157 (fig. 33); 73: 315, 329, 332-333, 334 (fig. 9), 336, 339 (fig. 23), 340, 344-346, 356, 362-363; f. albiflora 74:385; capitata 57:97, 98 (map 16), 101; 73:325, 329, 331, 335 (fig. 21), 337, 339 (fig. 23), 341, 344-345, 347, 349, 354, 362; carnosa 57:50-51; chlo-roides 51:140; 57:83; concinna 57: 31-32, 47; corymbosa 57:10, 26, 70; cubensis 57:80; decandra 57:83, 93-94; difformis 57:6-12, 16, 21 (map 1), 23-27, 93; 73:311-312, 327-328, 333, 334 (fig. 1), 339 (fig. 23), 340, 343-345, 348, 350, 357-358; 75:398; ×kennedyana 73:353; dodecandra 51:140; 57:5, 78-79, 82-86, 89-90,

94; 71:33; 72:57; 73:310, 322-323, 361; var. coriacea 72:57; var. dodecandra 57:86, 98 (map 13); 72:57; 73:323, 329, 335 (fig. 18), 336-337, 339 (fig. 23), 341, 344-345, 348, 361; ×bartramii 73:352; var. **foliosa** 57:86-87, 93, 98 (map 13); 73:322-323, 329, 335 (fig. 19), 337, 339 (fig. 23), 341, 344-345, 348-350, 358, 361-362; ×angularis 73:352; ×calycina 73:347, 352; ×kennedyana 73:352; elliottii 57:10, 25-26, 68, 70; foliosa 57:83-85; 72:57; 73:323, 361; formosa 57:47; gentianoides 51:131, 137, 140-141; 57:3, 94, 96-97, 98 (map 16), 100-101; 73:325, 326, 329, 335 (fig. 22), 337, 339 (fig. 23), 341, 344-345, 347, 350, 357, 362-363; ×bartramii 73:353; gracilis 57:54, 57, 60, 66, 81, 103; 73:317-318, 359; var. cubensis 57:80; grandiflora 57:52, 60, 64, 65 (map 10), 66-67; 73:320, 335 (fig. 12), 336, 339 (fig. 23), 341, 344-347, 349, 354, 359; ×angularis 73:352; ×brevifolia 73:347, 351; ×calycina 73:352; ×stellaris 73:347, 351, 359; harperi 57:84-85; 72:57; 73:323; kennedyana 57:79; 88-90, 94, 98 (map 14); 72:57; 73:323-324, 329, 331, 333, 335 (fig. 20), 337, 339 (fig. 23), 341, 344-345, 348-349, 354, 356, 361; f. candida 57:88; f. eucycla 57:88; var. coriacea 73:361; ×difformis 73:352; ×macrophylla var. macrophylla 73:352; ×macrophylla var. recurvans 73:352; lanceolata 57:11; 73:350; macrophylla 57:7-8, 13-16, 21; 71:33; 73:311, 327, 331, 343, 356-357; var. macrophylla 57:17, 21 (map 2); 73:311-312, 328, 333, 334 (fig. 2), 339 (fig. 23), 340, 344-345, 356, 358; var. **recurvans** 57:17, 21 (map 2); 73:311-312, 328, 331, 334 (fig. 3), 336, 339 (fig. 23), 340, 344-345, 353, 356, 358; maculata 57:62; nana 57:61; nervosa 57:44; obtusata 57:84-85, 87; 73:323; oligophylla 57:101; palmeri 57:62; paniculata 57:9, 24-27, 30, 69-70; 73:357; 75:398; *β* elliottii 57:68; var. angustifolia 57:27; var. latifolia 57:27; purpusii 57:62-63; **quadrangula** 57:9, 11, 18, 21 (map 4), 22, 24-27, 30; 73:314, 333, 334 (figs. 6-7), 336, 339 (fig. 23), 340, 343-345, 348, 355, 357-358, 363; 75:398; recurvans 57:14-16; simulata 57:61; 73:319-320, 335 (fig. 13), 336, 339 (fig. 23), 341, 344-346, 356, 360; stellaris 57:52, 56, 58-63, 65 (map 9), 66-67, 93, 103; 73:47, 318-320, 329, 335 (figs. 14-15), 336-337, 339 (fig. 23), 341, 344-346, 348-349, 354, 356, 358-360; 75:420; ×brachiata 73:348, 352; ×brevifolia 73:351; ×calycina 73:353; ×campanulata 73:351; ×quadrangula 73:349, 352; ×simulata 73:351

Sabazia 64:258, 261 (fig. 27); humilis 64:258; 65:229, 232 (fig. 23), 237; 66:156

Sabbatia alainii 57:64; albeola 57:103; amena 57:103; amoena 57:58, 103; anceps 57:103; angularis 57:18; f. albiflora 57:19; f. cleistantha 57:19; var. albiflora 57:19; var. elatior 57:19; var. latifolia 57:19; var. pauciflora 57:19; angustifolia 57:29; australis 57:103; boykinii 57:97; brevifolia 57:70; calycosa 57:79; campanulata f. albina 57:52; var. amoena 57:58; var. gracilis 57:52; campestris f. albiflora 57:44; centaurium 57:103; chloroides 57:86; *β* stricta 57:91; var. coriacea 57:91; var. erecta 57:91; var. flexuosa 57:91; concinna 57:29; corymbosa 57:7, 12, 70; var. angustifolia 57:7, 12; cubensis 57:79; cymosa 57:7, 22; decandra 57:91, 103; declinata 57:103; dichotoma 57:79; difformis 57:7, 12; dodecandra 57:86; stricta 57:91; elliotti 57:70; foliosa 57:87; 66:379; formosa 57:44, 47; gentianoides *β* boykinii 57:97; gracilis 57:52, 57; *β* stellaris 57:58; var. cubensis 57:79; var. grandiflora 57:64; grandifolia 57:67; harperi 57:87; lanceolata 57:7, 12; 66:380; linguata 57:103; maculata 57:58; maritima 57:58; nana 57:58; nervosa 57:46; nivea 57:26, 103; obtusifolia 57:103; oligophylla 57:100; palmeri 57:58; paniculata 57:7, 23, 69-70; 66:379; *α* latifolia 57:7; *β* angustifolia 57:7; petiolata 57:103; pulchella 57:103; pumila 57:103; purpusii 57:58; quadrangula 57:103; recurvans 57:17; simplex 57:103; simulata 57:58; stellaris 57:56, 103; pumila 57:58; f. albiflora 57:58; stricta 57:103; tenuifolia 57:103; tracyi 57:52, 56-57; umbellata 57:104; verticillaris 57:104

Sabiaceae 69:422

Sabina sabinoides 56:173, 175, 177

Sabinea 69:414; florida 69:387, 414

Saccharum 68:106, 345; brevibarbe 70:49; officinarum 68:345

Sacciolepis 68:107, 333; myuros 68:333; striata 73:111

Saccoloma domingense 67:359; inaequale 67:360
Saccorhiza dermatodea 66:220, 232; 71:129; 72:323, 338; 74:420; polyschides 74:129
Saelania glaucescens 62:152
Saffordia induta 63:87
Sagina decumbens 62:109, 114; 63:146; intermedia 54:40; nodosa 55:51, 79, 147; 62:109, 113; 65:91; var. pubescens 62:109, 113; 72:517; procumbens 60:67; 62:109, 113; 65:91, 365; 71:521; 72:517; 75:317; virginica 61:43-44, 49
Sagittaria ambigua 54:125; cuneata 53:14, 19, 265; 55:48, 118; 61:279; 73:255; filiformis 63:247; graminea 57:304; 61:278; 63:265; 66:379; 72:509; 73:255; isoetiformis 75:368; kurziana 63:247-249, 250 (figs. 1-3), 251-252, 253 (fig. 11), 255, 260-264; lancifolia 54:125; latifolia 53:5, 265; 55:118; 60:58; f. diversiloba 73:255; f. gracilis 55:48, 118; 73:255; f. hastata 54:251; 73:255; var. obtusa 73:255; lorata 63:237; mohrii 66:380; natans 63:247-248, 254, 264; papillosa 54:125; radicans 57:137; sagittifolia 63:249; sp. 70:171; stagnorum 63:247-248, 254, 256 (figs. 12-13), 257 (fig. 14), 258, 259 (figs. 15-16), 260-265; subulata 63:247-248, 250 (figs. 4-5), 252, 253 (figs. 7-10), 261-265; var. gracillima 63:247, 253 (fig. 6), 263-265; var. lorata 63:247; var. natans 63:247; var. typica 63:247
Sagotia triflora 67:334; 69:413
Salicaceae 52:293; 55:142; 58:125; 63:211, 341; 71:514
Salicornia 51:11; 52:18; 70:444, 447-448; bigelovii 60:300, 304; 70:443-444, 447-448; 71:24; disarticulata 62:330; europaea 51:11; 56:61-62; 60:300, 304; 63:288; 70:443-444, 447; 71:24; 72:285; 73:240; 75:53-54, 56, 317; var. europaea 72:516; var. prostrata 60:300, 304; 72:516; var. simplex 60:301, 304; perennis 57:285; rubra 62:94; 70:451; spp. 71:21; stricta 70:447; virginica 60:301, 304; 71:24, 560
Salix 52:227, 248; 53:9, 62; 54:14, 40; 55:42, 45, 47, 51; 59:243; 70:210; 72:565; 75:115; sect. Argyrocarpae 52:8; sect. Glaucae 52:16-18; sect. Ovalifoliae 52:13, 15, 18; sect. Pentandrae 52:248; sect. Reticulatae 52:248; sect. Roseae 52:8-9, 11, 16; sect. Uva-ursi 52:8; alaxensis 55:249; var. alaxensis 65:251; alba 51:168; 58:125, 130; var. calva 58:125; var. vitellina 58:125; 72:515; ×fragilis 58:125; amygdaloides 56:207; 58:125, 133-134; 75:158, 161; anamesa 52:8; anglorum 52:13, 15-16; var. kophophylla 52:16; arbusculoides 58:323; arctica 54:49, 51, 54, 278; 55:249; 65:215; arctophila 52:13, 15-16, 18; 58:125, 131-132; 73:68; argyrocarpa 58:125, 131-132; 73:68; astatulana 52:8; athabascensis 58:323; babylonica 58:126; 65:75; bebbiana 53:10; 55:142; 58:126, 130, 247; 63:66; 70:210; 72:339, 515, 548-549; 73:558-559; var. capreifolia 58:126; 65:90; var. perrostrata 72:549; ×discolor 58:126; ×gracilis 58:126; ×planifolia 55:142; ×rigida 58:126; brachycarpa 70:204-205, 208; subsp. niphoclada 65:251; callicarpaea 59:292; candida 53:6; 56:247; 58:126, 133; f. denudata 58:126; var. denudata 53:6; ×bebbiana 58:126; ×gracilis 58:126; ×rigida 58:126; caprea 58:126; caroliniana 51:116; cinerea 58:126; 73:68; ×rigida 58:126; coactilis 58:126, 131; 72:515; 73:68; cordata 52:8; 58:126; 72:49, 339; 73:68; f. subintegra 62:130; var. abrasa 58:126; cordifolia 54:51; 67:381; var. macounii 52:16; crassijulis 55:249; depressa 72:548-549; c. rostrata 72:549; subsp. rostrata 72:548; 73:558; discolor 55:142; 58:126, 130; 65:90; 71:20, 24; 72:515; var. eriocephala 55:142; var. latifolia 55:142; 58:126; var. overi 58:126; ×humilis 58:126; 71:169; eleagnos 73:68; exigua 56:207; farrae subsp. walpolei 65:215; fendleriana 74:83; floridana 52:8; 65:361; fragilis 58:126, 130; 69:31; fullertonensis 52:8; fusca 72:549; fuscescens 52:10-13, 15; var. hebecarpa 52:10-11, 13, 15; glauca 54:51; 59:292; 65:215; var. stenolepis 54:49; ×brachycarpa subsp. niphoclada 65:215; glaucophylloides 53:7; 58:126, 133; 67:375; 73:68; f. lasioclada 58:126; gracilis 51:7; 55:142; 58:126, 131; var. textoris 58:126, 131, 323; 72:515; ×rigida 71:169; ×humilis var. microphylla 58:126; ×sericea 58:126; ×grayi 58:126; hartwegii 63:341, 343-344; hebecarpa 52:8, 10-13, 15-16; 58:323; herbacea 54:54; 58:126, 131-132; 67:380; 73:68; hudsonensis 52:8; humilis 53:6; 55:142; 58:126, 130; 65:90; 72:515; f. curtifolia 58:126; f. festiva 58:126; f. tortifolia 58:126; var. hyporhysa 58:126, 133;

var. keweenawensis 53:6; 58:126; var. microphylla 52:293; 58:126, 133; ×gracilis 58:126; ×humilis var. microphylla 58:125; ×sericea 58:126; incana 58:126; interior 57: 114; 58:126, 133-134; f. wheeleri 58:126; var. exterior 58:126, 133-134; irrorata 74:83; ×jesupi 58: 126; laevigata 73:375; lanata 53:4; 72:548; livida 72:549; occidentalis 72:549; longipes 57:285; lucida 58: 126, 130; var. angustifolia 58:126, 131; var. intonsa 53:11; 58:126, 131; var. lucida 72:515; maccalliana 52:18; 70:210; missouriensis 52:8; ×myricoides 58:126; myrtillifolia 53:4, 6, 157; 58:323; 67:92-93; 70: 210; 72:498; myrtilloides 52:14; nigra 52:274; 58:126, 132; niphoclada 65:215; paraleuca 53:9, 17; ×peasei 58:126; pedicellaris 52:10; 58:127, 131; 74:391; var. hypoglauca 52:8, 11-16; 54:44, 142; 58: 127, 131, 322; 65:90; 66:145, 154; var. tenuescens 58:127; pellita 53:7; 55:54, 83, 143; 58:127, 131; 70:210; 71:302, 306; f. psila 58:127; pentandra 58:127, 130; 69:31; 73:68; perrostrata 72:549; petiolaris 51:7; 52:8; 58:131; var. rosmarinoides 55:142; phlebophylla 55:249; 65: 215; phylicifolia var. pennata 72: 498; planifolia 55:142; 58:127, 131-132; 70:204-205, 208, 210; polaris 54:54, 285; subsp. polaris 65:215; subsp. pseudopolaris 54:54, 285; 65: 215; pseudocordata 58:322; purpurea 58:127; pyrifolia 53:14; 55: 142; 58:127, 131; 66:61-62; ×discolor 58:127; reticulata 55:249; 65: 215; 67:381; richardsonii 65:215; rigida 55:226; 58:127, 130; 65:90; 72:49, 515; 75:385; f. mollis 58:127; var. angustata 58:127, 131; 72:49; var. rigida f. **subintegra** 62:130; ×discolor 58:127; ×gracilis 58: 127; ×lucida 58:127; ×pedicellaris 58:127; ×subsericea 58:127; rostrata 72:548-549; 73:558-559; rotundifolia 55:249; ×rubens 58: 127; sericea 58:127, 130; serissima 58:127, 133; silicicola 70:208-209; simulans 52:8, 10-11, 13, 16, 18; ×smithiana 58:127; spp. 72:246; starkeana 72:548-550; 73:558-559; subsp. **bebbiana** 72:549-550; 73:558; subsp. starkeana 72:548, 550; stolonifera 65:211, 215; torulosa 55: 249; turnorii 70:205, 208; uva-ursi 58:127, 131-132; 65:337; 67:382; 74:367, 370, 374; f. lasiophylla 58: 127; vagans 72:549; occidentalis 72:549; rostrata 3. obovata 72:549; 1. cinerascens b. occidentalis 72: 549; 1. S. rostrata 72:549; vestita 67:381; var. erecta 72:498; viminalis 58:127; 73:68; vitellina 51:168

Salmea petrobioides 66:15; scandens 64:260 (fig. 14), 266

Salpichroa rhomboidea 52:269

Salsola atriplicifolia 59:160; collina 61:265, 266 (fig. 1), 267; 63:42; kali 60:301, 304; 61:266; 63:288; 71:24; var. caroliniana 60:301, 304; var. kali 72:516; var. tenuifolia 60: 301, 304; 61:265-266; 72:378; platyphylla 59:160

Salvia 53:44, 53; 69:440; azurea 54: 177; coccinea 72:393; elegans sonoriensis 70:465; lanceaefolia 69: 453; lanceifolia 69:453; lyrata 73: 496; micrantha 67:350; misella 67: 350; occidentalis 69:440; pitcheri 60:41, 43; reflexa 60:41, 43; 64: 153, 157 (fig. 36); serotina 69:440; sylvestris 54:210; thomasiana 69: 394, 440

Salvinia rotundifolia 69:376

Samanea 69:410; saman 69:391, 410

Sambucus 69:446; 75:121; canadensis 51:156; 52:297; 63:43, 150; 72:79, 526; 73:460; pubens 55:194; 63:66; 65:94; 67:373; 70:182; 72:526; 74: 394; f. rosaeflora 69:453; f. rosiflora 69:453; simpsonii 57:288; 69: 446

Samolus 64:147; alyssoides 60:1; cinerascens 60:1-2, 4; cuneatus 60:1; **dichondrifolius** 60:2, 3 (figs. 1-6), 4-6; ebracteatus 57:278, 287; 60: 1-2, 4-6; floribundus 57:287; parviflorus 53:3; 64:152, 157 (fig. 28)

Samyda 69:427; dodecandra 69:427

Sanchezia 66:313; 72:119; **arborea** 66: 318, 334 (figs. 4O-4P), 338; **aurantiaca** 66:316, 330 (figs. 3E-3F-3G), 331; **aurea** 66:316, 329, 330 (fig. 3B); **bicolor** 66:314, 320, 321 (figs. 1E-1F); capitata 66:314, 319; **coccinea** 66:316, 330 (figs. 3J-3K); **coleifolia** 66:314, 317, 321 (figs. 1G-1H), 322; conferta 66:317, 336; cyathibractea 66:314, 319; **dasia** 66:314, 320, 321 (figs. 1C-1D); **decora** 66:318, 338, 339 (figs. 5A-5B-5C); ecuadorensis 66:318; **ferreyrae** 66:317, 334 (figs. 4L-4M-4N), 337; filamentosa 66:316, 331; flava 66: 315, 324; glaucophylla 66:324; **habra** 66:316, 326 (figs. 2F-2G-2H), 327; **helophila** 66:315, 325, 326 (figs. 2A-2B); hirsuta 66:323; killipii 66:316, 327; **klugii** 66:316, 330 (figs. 3A, 3I); **lampra** 66:317, 334

(fig. 4H), 335; **lasia** 66:317, 334 (figs. 4J-4K), 336; **leucerythra** 66: 314, 318, 321 (figs. 1A-1B); 72:119-120; **lispa** 66:318, 338, 339 (figs. 5D-5E); longiflora 66:317, 335; loranthifolia 66:318, 341; lutea 66: 318, 340; macbridei 66:323; megalia 66:314, 321 (figs. 1J-1K), 322; munita 66:315, 325; nobilis 66:315, 334; oblonga 66:315, 323; ovata 66: 314, 320; oxysepala 66:317, 336; parvibracteata 66:318, 341; parviflora 66:318, 340; **pedicellata** 66: 317, 334 (fig. 4I), 336; pennellii 66: 314, 319; peruviana 66:315, 323, 343; pulchra 66:315, 325; **punicea** 66:317, 333, 334 (figs. 4A-4B); putumayensis 66:318, 340; **rhodochroa** 66:316, 330 (fig. 3D), 331; rosea 66:315, 317, 335; rubriflora 66:315, 325; **sanmartinensis** 66:316, 326 (fig. 2I), 328; **scandens** 66:317, 337; sericea 66:315, 324; **skutchii** 66:318, 339 (figs. 5F-5G-5H-5I), 341; speciosa 66:315, 324; sprucei 66:317, 335; var. salvadorensis 66: 341; stenantha 66:314, 322; **stenomacra** 66:316, 329, 330 (fig. 3C); sylvestris 66:317, 337, 340; **tarapotensis** 66:318, 339 (figs. 5J-5K-5L), 341; thinophila 66:314-315, 320; f. glabra 66:320; f. thinophila 66: 320; tigrina 66:318, 340; **villosa** 66: 316, 328, 330 (fig. 3A); williamsii 66:316, 332; **woytkowskii** 66:317, 333, 334 (figs. 4C-4G); **xantha** 66: 315, 326 (figs. 2C-2E), 327
Sanguinaria canadensis 55:156; 63:47, 52, 295; 67:372, 386; 70:216; 71: 170; var. rotundifolia 66:312
Sanguisorba canadensis 53:269; 65: 80; 69:314, 316; 75:256; minor 69: 314, 318; occidentalis 55:238; officinalis 55:18; 69:315, 318
Sanicula gregaria 63:44; marilandica 53:19; 55:177; 58:247; 67:394, 395 (fig. 2, map)
Sanidophyllum cumulicola 64:232-234
Sansevieria guineensis 57:284; 73:50; metallica 67:324
Santalaceae 52:293; 55:145; 60:298
Santolina 75:170; chamaecyparissus 54:181
Sanvitalia 64:265; 68:215; abertii 68: 215; fruticosa 68:216; ocymoides 58:275-278; 63:128; procumbens 59: 32; 63:128; 64:265, 275; 65:229, 232 (fig. 24); tenuis 68:215-216; tragiaefolia 58:275; versicolor 68:216
Sapindaceae 66:13; 67:338; 69:422; 70:322
Sapium jamaicense 69:374; spp. 69: 421
Saponaria 52:233; ocymoides 62:109, 116; officinalis 52:243, 294; 62:109, 115; 72:517; segetalis 52:244; vaccaria 52:244; 54:127; 62:109, 115
Sapota achras 67:344; 69:434
Sapotaceae 67:344; 69:433; 72:25
Saracha 75:333-334; sect. Chamaesaracha 75:325, 337; acutifolia 69: 223; amphitrica 69:97; antillana 67: 351; coronopus 75:339; potosina 75: 364; stapeliaeflora 69:105; stapelioides 69:105
Sarcodum 51:222
Sarcomphalus domingensis 67:339; 69:423; reticulatus 67:339; 69:423; taylori 66:6; 67:339
Sarcosphaera ammophila 59:17
Sarcostemma 51:58; clausum 57:287; 67:346; crispum 51:58; 52:20; 53: 132; cynanchoides 52:20; heterophyllum 51:58; **lobatum** 51:58, 59 (figs. 1-2); 52:170
Sargassaceae 75:271
Sargassum 75:78, 82, 84, 89, 92; fluitans 74:295; 75:79, 95; hystrix var. buxifolium 75:271; natans 74: 298; 75:79, 84, 89, 95, 271
Sarracenia 51:301; alata 71:29-30, 32; flava 59:207; 62:333; heterophylla 58:203; psittacina 71:32; purpurea 53:10; 55:162; 57:113-114; 58:203, 204 (fig. 1, map), 205; 63:50-51; 65:91; 70:206-208; 72:518; 75:318; f. heterophylla 54:226; 58:203, 204 (fig. 1, map), 205-207; var. heterophylla 57:308; var. terrae-novae f. heterophylla 54:226; rubra 52: 262; 66:380
Sarraceniaceae 55:162; 63:50-51; 71: 32; 75:318
Sassafras albidum 54:64, 132; 60:206; 62:111, 114; 63:66; 73:492; var. molle 52:294; 62:111, 114
Satureja acinos 57:73; 73:60; arkansana 57:73; 70:431; calamintha 57: 73; glabella 57:73; var. angustifolia 57:73; hortensis 57:73; rigida 75:421; vulgaris 55:188; 57:73; 70: 179
Satyrium albidum 52:249
Saurauia 72:81; aequatoriensis 72:86 (pl. 4), 90 (map M), 92; biserrata 72:86 (pl. 4), 90 (map O), 92; brachybotrys 72:86 (pl. 4), 90 (map A), 92; bullosa 72:83 (pl. 2), 84 (pl. 3), 87-88, 90 (map I), 92; chiliantha 72:87, 90 (map D), 92; humboldtiana 72:86 (pl. 4), 90 (pl. 3), 92; isoxanthotricha 72:84 (pl. 3), 86 (pl. 4), 90 (map H), 92;

omichlophila 72:82 (pl. 1), 84 (pl. 3), 90 (map G), 92; pastasana 72: 86 (pl. 4); peduncularis 72:88, 90 (map F), 92; portachuelensis 72: 86 (pl. 4), 87, 90 (map K), 92; prainiana 72:90 (map N), 92; pruinosa 65:13 (fig. 8), 14; putamayonis 72:90 (map L), 92; stapfiana 72:86 (pl. 4), 90 (map C), 92; tomentosa 72:86 (pl. 4), 87, 90 (map J), 92; ursina 72:90 (map B), 92
Saururaceae 58:125
Saururus cernuus 58:125, 130, 133; 63:146; 64:88, 91
Saussurea angustifolia 65:222; f. **ramosa** 53:159; viscida 55:247; var. yukonensis 55:252
Savia erythroxyloides 65:196
Saxifraga 52:183, 227, 248; 75:2; aizoides 54:222, 279; 56:243; 63:51-52; 67:382; 68:410, 412 (fig. 4, map), 416; 70:184-185; aizoon 55: 53; 57:301; 63:51-52; 67:381; 69: 483-486; 71:170; var. neogaea 54: 227; 55:80, 163; 57:301-302, 308; 63:51; 68:409, 412 (fig. 4, map), 416; 69:483; 70:180-182; bronchialis subsp. funstonii 55:251; 65:218; caespitosa 53:50; 59:292; 67:381; f. uniflora 54:49, 52, 54, 216; subsp. eucaespitosa f. uniflora 54:279, 283; subsp. sileniflora 55:251; cernua 54:49, 52, 54, 216, 283; 55:53; 65: 218; 69:485-486; 71:170; var. latibracteata 55:52, 81, 163; davurica 65:211; subsp. grandipetala 65:218; eschscholtzii 55:251; 65:211, 218; flagellaris 54:48-49, 52, 54, 283, 285; 55:251; subsp. flagellaris 65: 218; subsp. platysepala 65:218; foliolosa 54:49, 52, 54, 283; 65:218; hieracifolia 54:54, 282-283; var. rufopilosa 65:218; ×nivalis 54:283; hirculus 54:280; 65:218; var. propinqua 54:49, 52, 216; hyperborea 54:54; 59:292; lyallii 55:247, 251; nivalis 54:49, 52, 54, 283; 55:163; 59:292; var. tenuis 54:54; nudicaulis 72:486, 488; occidentalis var. occidentalis 74:382; oppositifolia 52:62; 54:49, 52, 216, 280; 55: 245, 247, 251; 63:51-52; 65:218; 67:381; subsp. oppositifolia 71:505; pensylvanica 63:51-52; punctata subsp. nelsoniana 65:218; rivularis 54:40-41, 52, 54; 55:251; 59:292; 63:51-52; 69:486; 72:486; 75:153, 154 (fig. 1); rosacea 59:292; serpyllifolia 55:247, 251; spicata 71: 508; stellaris var. comosa 54:49, 52, 283; 63:51-52; 66:409; tenuis 54:54; 59:292; tolmiei 70:107; tricuspidata 54:216, 280; uniflora 54: 283; virginiensis 52:183, 295; 55: 79, 162; 63:51-52; f. glomerulata 55:163; var. **subintegra** 52:183
Saxifragaceae 52:295; 53:89-90; 55: 162; 63:50-51, 211; 64:150; 71:32, 514; 75:318
Scabiosa arvensis 52:53
Scaevola 69:447; plumieri 57:279, 280 (fig. 9), 281, 288; 69:447
Scalesia 75:142-144
Scandix pecten-veneris 62:263
Scapania buchii 60:213; curta 60:216; cuspiduligera 60:216, 217 (fig. 6, map), 223-224; degenii 60:220, 221 (fig. 10, map), 222; var. dubia 60: 220, 221 (fig. 10, map); gymnostomophila 60:215 (fig. 5, map), 216, 223; helvetica 60:216; hyperborea 60:220, 221 (fig. 10, map), 222, 224; incurva 60:215; irrigua 58:248; microphylla 60:213; mucronata 59: 26; 60:234; nemorosa 53:121; 59: 253; 72:277-279; paludicola 64:124; scandica 60:214, 215 (fig. 4), 216; spitzbergensis 60:216; undulata 59: 253; 72:276-279
Scapaniaceae 53:121
Scaphyglottis modesta 67:325
Scenedesmaceae 63:277; 67:251; 75: 266
Scenedesmus 63:277-278; abundans 63:277; 64:56; 71:457; var. brevicauda 64:56; acuminatus 63:277; 75:266; acutiformis 63:277; 64:56; 71:457; arcuatus 63:277; var. capitatus 63:277; var. platydisca 63: 277; 64:56; 71:457; armatus 63:277; var. major 64:56; bijuga 58:122; 63:277; 64:56; 71:457; var. alternans 63:277; brasiliensis 63:277; 64:56; 71:457; carinatus 63:277; caudatus 63:277; var. typicus 63: 277; denticulatus 63:277; 64:56; dimorphus 63:278; 64:56; 71:457; hystrix 67:252; incrassatulus 63: 278; longus 63:278; 64:56; var. minutus 64:56; obliquus 63:278; 64: 56; 67:252; opoliensis 63:278; 71: 457; 75:266; quadricauda 63:278; 64:56; 67:252-253; 71:458; 75:266; var. longispina 64:56; var. parvus 63:278; 71:458; var. quadrispina 63: 278; var. westii 63:278; 71:458; serratus 71:458; sp. 75:266
Schaefferia 69:422; frutescens 69:422
Schaetzellia 72:101; mexicana 72:102; standleyi 72:102
Schedonnardus paniculatus 52:19
Schedonorus inermis 52:210

Scheleobrachea maydica 61:97; quadrata 61:103; sacchari 61:104
Scheuchzeria 65:34; palustris 52:47; 55:83; var. americana 53:10; 55:54, 117; 61:278; 65:34; 70:206
Schinus molle 73:119, 121, 131; terebinthifolius 57:286
Schisandra chinensis 73:213
Schismatoglottis nova-guineensis 62:256
Schistocarpha bicolor 64:269
Schistostega 75:151; osmundacea 75:149; pennata 71:305; 75:149
Schistostegaceae 75:149
Schizachne purpurascens 55:45, 118; 57:304; 58:322, 324; 68:413 (fig. 8, map), 417; 70:184
Schizachyrium brevifolium 67:317; domingense 67:317; gracile 67:317; semiberbis 67:317
Schizaea confusa 63:99; fistulosa 63:99; melanesica 63:99; papuana 63:99; pennula 67:356; poeppigiana 67:356; pusilla 54:223; 57:220; 62:294; 63:99; 67:376; 70:216
Schizaeaceae 67:356
Schizochlamys 64:58; aurantia 58:122; gelatinosa 58:122
Schizomeridaceae 67:251
Schizophragma hydrangeoides 73:213
Schizophyllum commune 61:89; umbrinum 61:89
Schizothrix arenaria 58:122; 75:290; calcicola 58:122; 67:252; 71:116; 73:238, 267; 74:487; 75:290; daileyi 58:122; lacustris 58:122; lamyi 58:122; lardacea 58:122; lateritia 58:122; mellea 58:122; muelleri 58:122; purpurascens 58:122; tenerrima 75:290
Schkuhria 58:164; anthemoidea 64:258, 261 (fig. 29); var. wislizeni 64:268; 65:231, 232 (fig. 31), 238-239; bigelovii 66:213; biternata 66:201; multiflora 64:258; 66:72 (fig. 15), 73, 75, 177-178, 308-309; pedata 66:204; pinnata 64:258, 269; 66:177; schkuhrioides 66:72 (fig. 16), 75, 309; woodhousei 66:290
Schlegelia brachyantha 67:352; portoricensis 67:352
Schobera angiosperma 67:348; 69:438
Schoenobiblus peruvianus 65:116, 117 (pl.)
Schoenolirion croceum 61:71; 75:368
Schoenoxiphium 74:322 (fig. 11); kobresioides 74:327; rufum 74:322 (figs. 16-17), 323
Schoenus corniculatus 52:22
Schoepfia obovata 66:12
Schradera vahlii 67:353
Schrankia 69:480; microphylla 59:116-117; nuttallii 59:116-117; 64:355; occidentalis 71:217; portoricensis 67:332; roemeriana 69:481; uncinata 59:116-118; 69:481
Schroederia judayi 71:452, 453 (fig. 14), 458; setigera 71:458
Schuebleria stricta 57:104
Schultzia obolarioides 61:60; virginica 61:60
Schwetschkeopsis denticulata 53:127; 59:256; fabronia 74:524
Sciadopitys verticillata 51:6; 68:521, 523
Sciaromium lescurii 62:164; 74:524
Scilla esculenta 58:284, 287; 70:44-45; peruviana 58:2; sibirica 53:81, 88
Scindapsus aureus 62:256; pictus argyreus 62:252, 256
Scirpus 53:41; 56:207; 67:100; 68:450; 69:198; 70:221; 71:513; 72:565; acaulis 67:100, 102; acutus 53:15; 55:127; 58:44; 65:28-29; 67:375; 72:511; americanus 53:10; 54:203; 57:114, 284; 65:28, 30; 67:100; 70:442-444; 71:23, 31; 72:511; 73:256; 74:476, 483 (fig. 1); 75:315; subsp. polyphyllus 67:102; var. polyphyllus 67:102; **ancistrochaetus** 64:44, 45 (pl. 1266), 46, 47 (fig. 1), 48 (fig. 2, map), 49; 65:28, 33-34; 72:272; ×atrovirens 64:47 (fig. 1), 48 (fig. 2, map); asper 67:100, 102; atacamensis 67:100-102; atrocinctus 55:127; 63:237-238, 239 (fig. I), 240-242; 65:28-29, 89; 72:512; 75:315; f. brachypodus 55:127; atrovirens 63:237-238, 239 (fig. I), 240-241; 64:43-44, 46, 47 (fig. 1), 48-49; 65:28, 30; 69:198, 200; 73:256; 75:315; f. sychnocephalus 54:251; var. flaccidifolius 69:198; var. georgianus 53:10; 65:28-30; 72:512; f. viviparus 69:31; boliviensis 67:100-101; californicus 52:23; 67:100, 103; carinatus 51:22; 60:12; cernuus 67:100-101; cespitosus 55:41; 60:253; 64:124; var. callosus 52:62-63; 54:221; 55:126; 57:305; 61:123; 65:28, 30; 72:511, 520; 74:367; var. delicatulus 54:221; 56:246; 65:28, 32; 68:413 (fig. 8, map), 417; 70:180, 184, 186; clintonii 65:28, 30; cubensis 73:160; cyperinus 63:238; 65:28, 30; 71:23; f. andrewsii 73:256; f. pelius 75:315; var. cyperinus 72:512; var. eriophorum 57:284; var. pelius 65:28-29; 72:512; 73:256; f. condensatus 72:512; debilis 74:398; 75:376; deserticola 67:100, 103; etuberculatus 51:115; 54:258; 55:15-16; 60:12; expansus 64:46;

65:28, 31; **flaccidifolius** 69:198, 199 (figs. 1-3), 200-201; fluviatilis 55: 127; 65:28, 33-34; fuirena 67:321; georgianus 69:198, 200; hallii 54: 251; 55:15; 61:290-291; 65:28, 33-34; hattorianus 69:198, 200; heterochaetus 52:286; 65:28, 33-34; hudsonianus 51:110; 55:54, 80, 127; 57:113, 305; 65:28, 30; 67:382; 70: 207; inundatus 67:100-101; koilolepis 51:22; 60:12, 30; 63:20, 146; lacustris 58:44; 70:170; subsp. validus 67: 321; var. tabernaemontani 58:44; lineatus 65:28, 33-34; longii 57:90; 63:238; 65:28, 33-34; 72:133, 136; 73:356; maritimus 67:374, 377; 75: 54, 61; var. fernaldii 53:2; 65:28, 32; 74:291; 75:57; micranthus 67: 99; microcarpus 53:157; 58:65; mucronatus 58:43; olneyi 65:28, 32; 74:329; paludosus 54:208; var. atlanticus 53:20; 65:28, 32, 76; 72: 512; peckii 53:63; 63:237-238, 239 (fig. 1), 240-242; 64:46; 65:28, 32; 73:256; pedicellatus 53:10; 55:47-48, 127; 63:237-241; 65:28, 30; 72:512; var. pullus 65:28, 30; polyphyllus 57:311; 64:43, 46; 65:28, 32; 69: 377; purshianus 65:28, 30; 74:398, 400 (fig. 1), 401; 75:376; f. purshianus 74:398-399, 401; f. williamsii 74:398-399, 401; rigidus 67:100, 102; riparius 67:103; robustus 65:28, 32, 76; 74:291; rubricosus 60:206; 65: 28, 33-34; rubrotinctus 53:10; 55: 127; 65:28-29; 72:512; rufus 54: 202; var. neogaeus 53:9; saximontanus 52:167; setaceus 66:127; smithii 56:226; 65:28, 30; 73:256; 74:398, 400 (fig. 2), 401; f. levisetus 74:398-399, 401; f. setosus 74:398-399, 401; f. smithii 74:398-399, 401; steinmetzii 65:29, 33-34; subterminalis 52:286; 55:127; 65:29-30; 67: 376; 73:256; sylvaticus 64:46; tabernaemontani 58:43; torreyi 65: 29, 31; validus 58:44; 67:321, 374; 75:54, 57, 61; var. creber 53:19; 65:29, 89; verecundus 65:29, 31

Scleranthus annuus 53:268; 62:109, 115

Scleria 67:125; amphigaea 67:125-126; arundinacea 67:126, 130, 132; bracteata 67:126, 131; f. simplicior 67:131; castanea 67:125, 127; ciliata 67:322; composita 67:126, 128; cyperinoides 67:126, 129; eggersiana 67:322; georgiana 71:31; grisebachii 67:322; hirtella 67:125-126; lagoënsis 67:126, 131; latifolia 67:126, 130, 132; leptostachya 67: 125-127; lithosperma 67:125, 127; macrophylla 67:125, 128; melaleuca 67:126, 132; 69:372; microcarpa 67: 125, 128; minor 52:258; mitis 67: 125, 129; nitida 60:207-208; 73:111; obtusa 67:126, 129; oligantha 52: 23; 71:31; paludosa 67:128; paniculoides 67:126, 130; pauciflora var. caroliniana 54:126; 65:29, 33-34; pleostachya 67:127; pterota 67:126, 132; 69:372; reflexa 67:133; reticularis 60:41; 61:291; 63:21; 65:29, 31, 81; 71:31; secans 67:126, 133; setacea 67:126, 131, 321; stevensiana 67:322; tenacissima 67:126, 131; triglomerata 52:24; 60:208; 62:202 (pl. 1254); 65:29, 31; 67: 322; vaginata 67:126, 132; verticillata 65:29, 33-34

Sclerocarpus columbianus 74:203; dentatus 64:256, 261 (figs. 15-16), 267; divaricatus 64:261 (fig. 17), 267; frutescens 64:261 (fig. 18), 267; phyllocephalus 64:261 (fig. 19), 267; schiedianus 64:255-256; sessilifolius 64:261 (fig. 20), 267; uniserialis 64:256

Sclerodermatales 67:89; ser. Gasteromycetes 67:89

Sclerotium rolfsii 51:365

Scoliosorus ensiformis 66:110

Scolosanthus densiflorus 67:353; grandiflorus 67:353; multiflorus 67: 353; versicolor 67:353

Scoparia 69:442; dulcis 57:288; 60: 24; 64:154, 159 (fig. 45); 66:14; 69:442

Scosanthus versicolor 67:353

Scrophularia lanceolata 51:111; 54: 177; 55:189; 72:525; leporella 55: 189; marilandica 68:425; nodosa var. marilandica 51:111

Scrophulariaceae 52:297; 55:189; 63: 211; 64:147, 153; 66:14, 229; 67: 351; 69:442; 70:396; 71:33, 551; 73:48, 50; 75:320

Scutellaria brittonii 74:386; churchilliana 56:250; epilobiifolia 53:5, 158; 55:47, 188; 65:94; 71:20, 27; 72: 524; 73:260; 75:320; galericulata 53:159; 55:188; var. **epilobiifolia** 53: 158; integrifolia 64:153, 157 (fig. 37); 66:379; 71:33; var. glandulosa 73:496; lateriflora 53:5; 55:188; 67: 373; 72:524; 73:260; nervosa f. **alba** 54:257; ovata 57:320; var. ovata 74:148-149; var. rugosa 74: 148-149; var. versicolor 74:148-149; racemosa 75:401; sp. 72:79

Scybalium jamaicense 61:79

Scytonema 64:58; densum 58:122; figuratum 58:122; mirabile 58:122; sp. 71:154; tolypotrichoides 58:122

Scytonemataceae 63:281; 75:293
Scytosiphon 55:105; lomentaria 66: 220, 233; 71:127; 72:117, 322, 338; 73:280; 74:267, 298, 409, 420, 479-480; 75:59, 270
Scytosiphonaceae 71:127; 75:270
Sebestiania corniculata 67:337; ligustrina 52:263
Sebesten ricksecker i 67:347; 69:438; sebestena 67:348; 69:438
Secale cereale 69:31; 72:510
Sechium 69:447; edule 69:447
Securidaca diversifolia 67:336; longipedunculata 64:104; virgata 67:336; volubilis 67:334
Securinega buxifolia 65:199; capensis 56:48, 54; fasciculata 56:55; var. hallii 56:57; hallii 56:57
Sedum 53:95; 59:243; 60:233; 70:399, 401, 403; 72:460; acre 54:256; 61: 247; 63:50, 54; alamosanum 74:311; alboroseum 63:50, 55; anopetalum 61:247; 63:50, 55; anophyllum 61: 247; beyrichianum 72:467; cockerellii 74:302-306, 307 (figs. 1-14), 309 (fig. 29, map), 311-312, 314; cymosum 66:90; var. **smallii** 66:90; diffusum 74:311; glaucophyllum 72: 460-462, 463 (figs. 1-12), 465-470, 471 (fig. 17, map), 472, 474-476; 74: 312; griffithsii 74:302-303, 308, 311; havardii 74:302, 308 (figs. 27-28), 311, 320; lanceolatum 74:311-312; nevii 72:460, 463 (fig. 13), 465-469; niveum 74:302, 305, 307 (figs. 15-16), 317; nuttallianum 66:90-91; pulchellum 72:460, 462, 463 (fig. 16), 465, 469; purpureum 60:65-66; 63:50, 54; 72:518; pusillum 66:87-91; 70:394, 399, 400 (fig. 6; fig. 8, map); 401, 403, 405; rosea 53:1; 55:248, 251; 57:302; 60:219, 232-233, 251; 61:23; 63:50, 52; 64:345; 65:91, 286; 68:411 (fig. 2, map), 415-416; 70:182, 184-185; 71:521; 72:460, 518, 530; 75:318; var. leedyi 60:232; rupestre 63:50, 55; sarmentosum 57:313; 63:50, 55; sexangulare 61:247; smallii 70:399, 400 (fig. 6; fig. 7, map), 401, 405; 73:497, 508, 510-511, 513; sparsiflorum 73: 380; spathulifolium 74:312; spurium 63:50, 55; 71:170; stellatum 70:401; stelliforme 74:302, 305-306, 308 (fig. 21), 309, 311-312, 318; telephium 63:50, 55; f. purpureum 75: 318; ternatum 63:50, 53; 72:460, 462, 463 (figs. 14-15), 465-469, 471 (fig. 11, map), 474-475; 74:306, 312; wrightii 74:302, 305-306, 308 (figs. 22-26), 310 (fig. 30, map), 311, 318
Selaginella 55:353; acanthonota 62: 32; albonitens 67:360; apoda 51: 109; apus 51:109; arenicola 62:320; subsp. acanthonota 60:291; 62:320; 70:290; subsp. riddellii 62:320; var. **acanthonota** 62:320; var. **riddellii** 62:320; armata 67:360; densa 56: 208-209; flabellata 67:361; plagiochila 67:360; plumosa 67:360; portoricensis 67:360; riddellii 62:320; rupestris 55:46, 93; 72:508; var. acanthonota 62:320; selaginoides 53:7; 55:51, 76, 93; 56:244; 67:382; 70:210, 212; sintenisii 67:361; spp. 71:59; stipitata 67:361; stolonifera 67:360; subcaulescens 67:361; substipitata 67:360; tenella 67:360; underwoodii 74:82
Selaginellaceae 55:93; 67:361
Selenastrum minutum 63:277
Selenicereus 69:428; grandiflorus 69: 428
Seligeriaceae 62:147, 153
Selinocarpus diffusus 53:131
Selloa glutinosa 62:44; plantaginea 68:144
Sematophyllaceae 62:147, 166
Sematophyllum adnatum 53:126; 59: 257; 62:166; carolinianum 62:166
Sempervivum 53:95; tectorum 51:8; 63:50, 54; 72:518
Senecio 59:242; 61:272; 62:44; 67: 239; 70:233; 75:211; adamantinus 70:230 (fig. 24), 239; anonymus 75:211-212, 213 (fig. 1), 214, 216-218; antennariifolius 61:77; atropurpureus 71:507; subsp. atropurpureus 65:222; subsp. frigidus 65: 222; var. tomentosus 55:252; aureus 52:297; 53:7; 55:200; 65:65; 67:373; var. angustifolius 75:217; var. aquilonius 53:8; var. semicordatus 53:8; brasiliensis 70:239; cobanensis var. sublaciniatus 64:269; confusus 64:269; 75:423; conterminus 65:222; conzatii 64:269, 276; **costaricensis** 67:239, 240 (pl. 1312), 241; cuneifolius 72:99; cyclophyllus 63:123 (fig. 25), 125, 129; deformis 64: 269; desiderabilis 72:99; earlei 75: 219; eremophilus 55:53, 81, 200; erisithalifolius 70:239; filifolius 74: 111; fuscatus 65:222; hemmendorffii 72:99; hirsuticaulis 64:269; hyperborealis 65:211, 222; icoglossus 72: 99; imparipinnatus 64:259, 261 (fig. 31), 269; indecorus 53:11; iodanthus 64:276; jacobaea 53:22; kingii 55:200; longilobus 51:20; 74: 111; lugens 65:222; obovatus 65: 66-67; pauciflorus 53:159; pauperculus 55:200; 61:78; 65:65-67; 68:414 (fig. 11, map), 417; var.

balsamitae 55:200; f. inchoatus 55:200; var. pauperculus 65:65; picridis 64:269; plattensis 61:78, 183; 65:65-67; pseudo-arnica 51:99; resedifolius 51:99; 63:125; 65:222; robbinsii 72:528; salignus 64:269; sanguisorbae 63:125, 129; smallii 61:78; 65:66-67; 73:497, 508, 510-511, 513; 75:211-212, 214, 216-217; f. tristis 75:219; squalidus 56:251; streptanthifolius 65:66-67; sylvaticus 65:95; 72:528; 75:321; toluccanus 63:123 (fig. 24), 125, 129; 64:269; tomentosus 65:66-67; 75:211, 214, 216-218; townsendii 67:241; tridenticulatus 51:20, 28; viscosus 59:289; vulgaris 51:112; 65:95; 66:142; 72:528; 74:395; 75:321
Senegalia muricata 69:408; westiana 69:408
Senna obovata 67:332
Separotheca 61:136; 75:149; **pumila** 61:138
Sequoia gigantea 52:4-5; sempervirens 52:4
Sequoiadendron 52:5; giganteum 52:5
Serapias helleborine 51:163; 53:240
Serenoa repens 57:284
Serjania 69:422; polyphylla 69:422
Serpicula 67:171; canadensis 67:12, 171; occidentalis 67:6, 167, 169-171; verticillata f. β var. angustifolia 67:6, 171
Serratula caroliniana 72:146, 154; glauca 72:147, 150; noveboracensis 72:146, 153; praealta 72:146, 153
Sertularia 71:132
Sesamum indicum 67:352; orientale 67:352
Sesban emerus 67:333; exaltata 60:17; sericea 67:333; sesban 67:333
Sesbania 57:213; 69:414; subgen. Agati 57:215; subgen. Daubentonia 57:213-218; subgen. Eusesbania 57:213-217; subgen. Glottidium 57:213, 216-218; aculeata 57:215; aegyptiaca 57:215; australis 57:214; bispinosa 57:215-216; 67:333; drummondii 57:215 (fig. 2), 216-217; emerus 67:333; exaltata 57:215 (fig. 1), 216-217; 60:10, 17; 62:234; grandiflora 57:215-216; 67:333; 69:414; longifolia 57:214; macrocarpa 57:215, 286; marginata 57:215; punctata 57:215; punicea 57:215; sericea 57:215; 67:333; sesban 57:215-216; 67:333; speciosa 57:215; spinosa 67:333; tetraptera 57:215; vesicaria 57:215 (fig. 3), 216-217
Seseli divaricatum 57:291; 70:49; lucidum 57:291; 70:49
Sesuvium 69:404; **erectum** 68:421-422; maritimum 57:285; 68:422; microphyllum 75:415; portulacastrum 57:278, 281, 285, (pl. 1219); 67:313; 68:422-423; 69:404; sessile 68:422; **trianthemoides** 68:422; verrucosum 62:94; 68:421
Setaria 51:391-392; 53:27; 68:105, 335; argentina 68:336, 338; barbata 67:319; barbinodis 68:336, 339; faberi 51:391-392; 53:113; 55:289; 58:43; 59:234; 61:220-223; 67:195; 75:372; geniculata 57:284; 66:380; 67:319; 68:336; 73:50; 75:413; glauca 53:27-28, 30; 57:284; 59:234; 60:65; 63:136; 68:445-446; 72:511; gracilis 68:336; f. brevispica 68:336; f. penicillata 68:336; grisebachii 56:180; italica 51:8; leiophylla 67:319; liebmannii f. trichorachis 68:339; lutescens 51:392; 53:27-28; 56:180; 59:234; 63:136; 67:319; macrosperma 57:284; macrostachya 52:20; 56:208, 210; magna 67:319; muricata 58:48, 331; 68:440; oblongata 68:336, 338; poiretiana 68:336; pradana 67:319; rariflora 67:319; scandens 68:336-337; setosa 67:319; tenacissima 67:319; 68:336-337; tenax 68:336-337; trichorachis 68:336, 339; utowanaea 67:318; verticillata 59:234; viridis 51:392; 53:29; 59:234; 61:220-222; 67:195; 72:511; 73:105; ×faberi 59:234; vulpiseta 67:319; 68:336, 338
Setcreasea 64:329; 72:268; australis 64:72; 72:268; brevifolia 64:68-70, 71 (figs. 5-6), 72-73, 330; 72:264-265, 267, 269; var. brevifolia 72:265-266, 268-269; var. **buckleyi** 72:265, 267-269; var. **nanella** 72:265-266, 269; var. **pulchella** 72:265-266, 269; ×ovata 64:69; buckleyi 64:68; 72:264, 267-268; hirsuta 64:330; jaumavensis 64:69-70; **lanceolata** 64:330; leiandra 64:72; ovata 64:68-70, 71 (figs. 2-4), 72; 72:264-265; ×pallida 64:69; ×purpurea 64:69; pallida 64:68-70, 71 (fig. 1), 72, 329; 72:264, 268; ×ovata 64:69; palmeri 64:329-330; purpurea 64:69, 71-72; 72:264, 268; ×ovata 64:69; tumida 72:268
Setiscapella cleistogama 58:90; pusilla 67:352; subulata 67:351
Seymeria cassioides 64:90; tenuifolia 64:90
Seynesiella exigua 71:196 (figs. 6-8); juniperi 71:197
Sharpiella striatella 72:493

Shepherdia canadensis 55:53, 82, 176; 57:113; 67:92
Sherardia arvensis 62:263; orientalis 63:45
Shortia 52:229-232; galacifolia 52: 229-231, 232 (map 1); 54:121-124; 57:189-201; 58:38; 61:297; 68:147, 151-152, 154; var. **brevistyla** 54:124
Shultzia 61:59
Sibara viereckii var. endlichii 59:62
Sibbaldia procumbens 52:47; 67:380; 69:315-316
Sicyos 70:50; angulatus 55:225; 70: 50
Sida 69:10, 12-14, 22, 425; acuminata 69:425; acuta 67:339; 69:425; aggregata 69:374; alba 67:339; 69: 374; carpinifolia 57:279, 287; 67: 339; 69:425; 73:48; ciliaris 69:425; eggersii 69:425; elliottii 52:264; 75:393; erecta 67:339; 69:425; glabra 69:425; glomerata 69:425; hispida 69:9-14, 23; humilis 69:425; inflexa 52:264; physocalyx 52:20; rhombifolia 54:127; 69:11; 72:393; salviaefolia 67:339; 69:425; setifera 69:374; spinosa 54:127; 69:11, 374; 74:378, 384; f. **albiflora** 74:383; urens 69:425
Sideranthus 70:49, 370; annuus 62: 321; integrifolius 57:291; 70:49; megacephalus 62:321; pinnatifidus 57:291; 70:50
Sideroxylon foetidissimum 57:277, 287; 67:345; 69:434; portoricensis 67:345
Sidopsis 69:9, 14, 16, 21-22; hispida 69:23
Siegesbeckia flosculosa 74:204; nudicaulis 64:272, 275; orientalis 64: 272; repens 64:272, 275; 68:144; triangularis 64:272, 275
Sieglingia chapmanii 56:27; decumbens 67:377
Silene 51:367; 52:233-234; acaulis 51: 367; 52:62; 55:247-249; 67:380; 70: 206, 209, 211; subsp. acaulis var. exscapa 70:209; f. **athabascensis** 70:209; var. exscapa 62:109, 112-113; 65:216; antirrhina 55:11, 148; 62:109, 113; 70:452; f. apetala 62: 109; f. deaneana 62:109; armeria 55:47, 148; 62:109, 115; 66:54; 72: 517; caroliniana 72:59 (map 1), 60-62; subsp. caroliniana 72:59-62; subsp. pensylvanica 72:64; subsp. wherryi 72:59 (map 1), 60-62, 64; var. caroliniana 72:59 (map 1), 62-63; var. pensylvanica 62:109, 114; 72:59 (map 1), 61-63; var. wherryi 72:64; conica 62:109, 115; cserei 55: 238; 62:109, 115; 69:32; cucubalus 52:294; 62:109, 115; 63:288; 69:32; dichotoma 59:29; 62:109, 115; drummondii 52:242; furcata 52:238; gallica 62:109, 115; 72:273; 75:387; menziesii 70:210; nivea 62:109, 116; noctiflora 52:243; 62:109, 115; 71: 306; 72:517; nutans 62:109, 116; pendula 62:109, 116; pensylvanica 72:62, 64; pumilio 67:196; 69:32; regia 59:33; stellata 62:109, 112, 114; var. scabrella 52:24; virginica 58:27, 28 (fig. 1, map); 72:60; wherryi 72:60; williamsii 53:157
Silphium 72:536; albiflorum 56:25; asperrimum 64:158, 159 (fig. 54); betonicifolium 52:40; compositum 64:158, 159 (fig. 55); 73:497, 507, 509, 511, 513; integrifolium 72:536, 537 (fig. 1), 538 (fig. 2), 539-542; var. deamii 72:539-540, 541 (fig. 3, map), 542; var. gattingeri 72:539-540, 541 (fig. 3, map); var. integrifolium 72:539, 541 (fig. 3, map), 542; var. **neglectum** 72:539-540, 541 (fig. 3, map), 542; laciniatum 57: 266; 60:127; laevigatum 72:538-539; perfoliatum 52:297; 65:75; scaberrimum 72:540; speciosum 72:540; terebinthinaceum 53:133-135; 57: 159-160, 266; var. **lucy-brauniae** 53: 134; 57:160
Silybum marianum 52:164
Simaroubaceae 67:336; 69:417
Simsia dombeyana 72:94, 98
Sinapis alba 69:373; arvensis 55:154; 62:19; 67:331; var. stricta 52:127; nigra 62:12
Siphonanthus indicus 67:350
Siphoneugenia densiflora 67:343
Sirodesmium compositum 61:98; ellipticum 61:99
Sirosiphon 64:58
Sisymbrium 54:162, 183; 71:552; alpinum 58:156; altissimum 51:111; 63:49, 54; 72:518; amphibium 62: 16; **arcuatum** 62:58-60; berlandieri 62:14; curvisiliquum 63:3; humile 55:109; indicum 62:19; kearneyi 62: 60; linearifolium 59:66, 68; loeselii 57:267; 59:7, 29; 63:49, 54; **longipes** 59:65-66, 68; microtites 59:71; nasturtium-aquaticum 67:331; 69:373; officinale 52:169; 63:49, 54; var. leiocarpum 63:50, 54, 288; 72:518; orientale 63:50, 55; pauciflorum 68: 513; polyspermum 62:14; purpusii 62:59-60; **retrofractum** 59:66, 67 (fig. 2), 68; shinnersii 62:56, 57 (fig. 1), 58-60; sophia 62:20; **standleyi** 58:156; streptocarpum 62:13; tanacetifolium 63:7; torulosum 55:109; vaseyi 62:55-56; vir-

gatum 54:163; walteri 63:6-7; watsonii 62:55
Sisyrinchium 53:53; 64:291; 72:287; albidum 51:8; 53:84; 61:32; 71:32; angustifolium 53:82, 85, 268; 55:139; 59:159-160; 68:459; 71:24; arenicola 53:82, 87; 60:319-320; 68:459; atlanticum 53:82, 86-87; 57:285; 60:67; 68:459; 73:498; avenaceum 72:287; bermudiana 59:159; 61:32; **bromelioides** 64:311; campestre f. **albiflorum** 52:56; **deflexum** 64:312; exile 66:12; 75:415; farwellii 68:459; fibrosum 73:498; graminoides 53:268; 59:159-160; iridioides 59:159; macrocephalum 64:311; marchio 72:287; micranthum 66:12; 75:415; montanum 53:7; 61:31-32; 64:345; 71:520; var. crebrum 53:82, 84; 55:139; 59:160; 60:67; 65:90; 72:514; 75:316; mucronatum 53:82-88; 59:159; **papillosum** 72:287; pruinosum 63:147; **reitzii** 64:312; varians 63:147; wettsteinii 64:311; 72:287
Sitanion 69:122; hystrix 51:19-20
Sium cicutaefolium 55:178; 69:453; cicutifolium 69:453; suave 53:5, 10; 55:178; 73:259; 75:57; f. carsoni 73:259; f. fasciculatum 73:259
Sloanea amygdalina 67:339
Smelowskia 54:85; americana 54:99; **borealis** 54:87-89, 91, 93-94, 96, 110-111, 118, (pl. 1186); var. borealis 54:91, 93 (fig. 2, map), 110-112, 115-118, (pl. 1186); var. **jordalii** 54:91, 93 (fig. 2, map), 112, 115-118, (pl. 1186); var. **koliana** 54:91, 93 (fig. 2, map), 110-111, 114-117, (pl. 1186); 55:247, 250; var. **villosa** 54:88, 89 (fig. 1), 90-91, 93 (fig. 2, map), 95, 112, 114-116, (pl. 1186); 55:250; calycina 54:85-88, 90-91, 93, 96-98, 101, 110, (pl. 1185); 65:211; prol. americana 54:99; f. integrifolia 54:102; subsp. integrifolia 54:86, 95, 102; 65:217; var. **americana** 54:88, 89 (fig. 1), 90-92, 93 (fig. 2, map), 94-95, 98-99, 101, 110, (pl. 1185); var. calycina 54:90, 98, 101, (pl. 1185); var. glabrata 54:90; var. integrifolia 54:85, 91, 93 (fig. 2, map), 94, 98, 101-102, 105, 110, (pl. 1185); var. **media** 54:91, 93 (fig. 2, map), 94, 98, 100-101, (pl. 1185); var. pectinata 54:90; var. **porsildii** 54:91, 93 (fig. 2, map), 94, 98, 105, 109 (fig. 3); holmgrenii 54:85, 93 (fig. 2, map), 94, 96, (pl. 1185); lineariloba 54:99; f. virescens 54:99; lobata 54:99; ovalis 54:85-88, 93 (fig. 2, map), 94-96, 107, 110, (pl. 1185); var. congesta 54:93 (fig. 2, map), 107; var. ovalis 54:93 (fig. 2, map); **pyriformis** 54:86-88, 93 (fig. 2, map), 94, 96, 108, 109 (fig. 3), 110, 115
Smilacaceae 64:148-149; 67:324
Smilacina racemosa 53:12, 81, 85; 55:48, 138, 173; 57:131; 63:295; 66:312; 67:375, 377, 386; 72:339, 514; 73:206; var. cylindrata 53:81, 86-87, 131; var. racemosa 55:225; stellata 53:81, 85-86; 63:308-309; 65:90; 71:520; 72:330; var. crassa 53:81; 54:226; 65:90; 71:23; 75:316; trifolia 53:81, 85; 55:138; 56:273; 58:247; 65:90; 70:206; 72:514; 75:316
Smilax 52:45; 70:55-57, 62, 72-73, 77-78, 247; 72:289-293, 295, 297, 301, 303, 306, 311; sect. China 70:57, 247; sect. Coilanthus 70:57, 247; sect. Coprosmanthus 70:55-58, 60-61, 63, 72-73, 77-78, 247; sect. Eusmilax 70:57; sect. Macranthae 70:57, 247; sect. Nemexia 70:57, 247; sect. Pleiosmilax 70:56-57, 247; sect. Smilax 70:57, 247; 72:289; subgen. Nemexia 70:247; acirrha 70:265; auriculata 53:110; 57:284; 70:225; 72:289-290, 294 (figs. 1, 4), 295, 297, 299, 304-305, 307, 309-311; balbisiana 70:271; beyrichii 72:290; biltmoreana 70:58-59, 61 (figs. 6, 14), 65-66, 70, 73-74, 76 (fig. 23, map), 77, 79 (fig. 24), 84, 248, 254, 266, 268-270; ×hugeri 70:61 (figs. 8, 16); blancoi 70:271; bona-nox 53:110; 64:149, 155 (fig. 7); 70:225; 72:289-290, 294 (fig. 3), 295, 297, 298 (fig. 18), 299-300, 304-312; var. hederaefolia 53:81, 87; 69:453; var. hederifolia 69:453; var. littoralis 72:306; china 70:57; cordifolia 70:271; diversifolia 70:58, 253; domingensis 67:324; 75:414; ecirrhata 55:156; 57:131; 68:459; 70:58-59, 65, 68-69, 70 (fig. 20), 71-72, 74-75, 76 (fig. 23, map), 77-78, 79 (fig. 24), 80 (fig. 25), 81, 247-248, 263-266, 268, 270; var. biltmoreana 70:270; var. hugeri 70:268; glauca 64:149; 72:2, 289-290, 294 (fig. 2), 295, 296 (fig. 12), 297, 298 (fig. 16), 299, 303-305, 307-308, 310-312; 73:498, 503, 505, 508-509, 511, 513; var. leurophylla 53:81, 87; 60:295; havanensis 75:414; herbacea 53:81, 85; 63:20; 70:56-57, 59-60, 61 (figs. 2, 10), 62-63, 67-69, 70 (fig. 20), 71-73, 74 (fig. 21, map), 77-78, 79 (fig. 24), 248-250, 254, 257-258, 261, 265, 271; subsp. crispifolia 70:249;

var. crispifolia 70:58; var. ecirrhata 70:58, 265; var. inodora 70:253; var. lasioneuron 70:253; var. peduncularis 70:249; var. pulverulenta 70: 257; var. simsii 70:249; hispida 53: 109-111; 70:77, 271; 72:290; var. australis 53:110-111; var. hispida 53:111; hugeri 70:58-59, 61 (figs. 5, 13), 64-66, 70 (fig. 20), 71, 74, 75 (fig. 22, map), 77-78, 79 (fig. 24), 81, 248, 254, 266-268, 270; ×biltmoreana 70:66 (pl. 1372); **illinoensis** 70:61 (figs. 3, 11), 62, 64, 68, 70 (fig. 20), 71-72, 75 (fig. 22, map), 77, 79 (fig. 24), 80 (fig. 25), 81, 248, 263; inermis 70:260; lanceolata 53:110; 67:324; 70:260; 72:290; lasioneuron 70:57-59, 61 (figs. 1, 9), 65, 68, 70 (fig. 20), 71, 73, 74 (fig. 21, map), 75, 77, 79 (fig. 24), 248, 250, 253-254, 257-258, 263; laurifolia 66:379; 71:32; 72:289, 297, 298 (figs. 13-14, 17), 299-300, 303-307, 309-311; leptanthera 70:58, 260; macrophylla 70:72; moranensis 70:271; peduncularis 70:56, 249; pseudo-china 53:110; 70:57, 59, 61 (figs. 7, 15), 62, 64, 67, 70 (fig. 20), 71, 73, 74 (fig. 21, map), 77, 79 (fig. 24), 248, 250, 260-262, 271; 72:290; pulverulenta 53:81; 70:56-57, 59, 61 (figs. 4, 12), 62 (fig. 17), 64, 70 (fig. 20), 71, 74, 75 (fig. 22, map), 77-78, 79 (fig. 24), 248, 250, 257-258; pumila 72:289, 311; riparia 70:78; rotundifolia 51:304; 53:81, 86; 71:24, 32; 72:2, 289, 294 (fig. 5), 295, 297, 299, 304, 308-312; 73: 503, 505, 508, 510; salicifolia 70: 271; smallii 71:32; 72:289-290, 294 (fig. 6), 295, 296 (fig. 7), 297, 299-300, 304, 307, 309-311; tamnifolia 70:57, 260-261; tamnoides 53:109-111; 72:289-290, 297, 299-300, 303-306, 308-312; var. hispida 53:81; 72:289, 296, 297 (figs. 8, 10), 298 (fig. 15), 299, 303, 307-309; var. tamnoides 72:289, 296 (fig. 11), 297, 299, 307-309; telferiana 70:271; tenuis 70:58, 253; walteri 72:289, 296 (fig. 9), 297, 299, 304-307, 309, 311-312; zeylanica 70:271

Solanaceae 52:297; 55:189; 63:211; 64:153; 65:20; 67:351; 69:395, 440; 71:551, 561; 75:146, 325, 421; trib. Solaneae 75:331-333; subtrib. Solaninеae 69:84; subtrib. Lyciinae 69: 84

Solandra grandiflora 67:351

Solanum 69:82, 441; americanum 60: 68-69; 72:393; antillarum 67:351; asperum 71:551; campechiense 67: 351; caribaeum 67:351; 69:376; carolinense 60:68-69; chamaesarachidium 75:364; ciliatum 67:351; coniodes 75:359; coronopus 75:339; dulcamara 60:58, 66; 63:45; 71:522; 72:524; elaeagnifolium 67:351; 69: 393, 441; 75:421; f. albiflorum 52: 172; erianthum 67:351; 69:441; ficifolium 67:351; 69:441; gracile 52: 268; 57:288, (pl. 1221); guanicense 67:351; interius 63:44; lanceifolium 69:441; melongena 69:441; nigrum 69:376, 441; 71:522; 72:524; nodiflorum 69:376, 441; paniculatum 71: 511; persicaefolium 69:441; platyphyllum 65:20-21; polygamum 69: 441; pterocaulon 67:351; quitoense 69:376; rostratum 53:225; 60:66; 64:354; 72:524; rufum 71:551; sarachoides 59:19; 71:172; 74:386; sp. 71:551; torreyi f. **album** 51:27; torvum 67:351; 69:441; triflorum 52: 297; tuberosum 51:8; 59:30; 63: 274; 69:441; verbascifolium 67:351; 69:441; villosum 59:20; woodburyi 69:376

Solenostoma appalachianum 60:245 (fig. 18, map), 246; hyalinum 59: 253; monticola 60:246; obscurum 59:252-253, 256; sphaerocarpum 60: 253

Solidago 51:83, 97; 55:45; 62:44; 69: 450; 70:221, 304; 71:514; 72:565; altissima 55:322; arguta var. **neurolepis** 62:131; var. **strigosa** 62:131; bicolor 57:302; 72:526; boottii 63: 20; 73:497; brachyphylla 73:497; buckleyi 57:319; 60:292; 63:20; caesia 52:288; 60:68; 72:350; canadensis 53:11, 15; 55:195; 60:62, 64, 68; 65:95; 66:404-405; 72:526; var. canadensis 66:404, 405 (fig. 1); chilensis 70:230 (fig. 13), 232, 238; chrysolepis 51:94; cutleri 74:367; dumetorum 55:322; elliottii 75:405; erecta 52:288; flexicaulis 53:5; 70: 179; 74:107; ×macrophylla 55:19; gigantea 53:15; 55:322; var. gigantea 55:322; var. leiophylla 55:196, 322; var. **pitcheri** 55:322; var. salebrosa 55:322; graminifolia 55:196; 73:261, 460; var. nuttallii 65:95; 72: 526; 75:321; gymnospermoides 70: 287; hispida 53:270; var. arnoglossa 55:196; var. lanata 53:13; var. typica 55:195; houghtonii 60:214; humilis 51:93-94, (pl. 1146); juncea 55:195; 60:68; 70:304, 305 (fig. 1); 72:526; lepida 53:15; var. elongata 55:322; var. fallax 53:15; 55:196; macrophylla 53:268; 56:243; 65:94; 75:321; var. thyrsoidea 65:312;

media 70:287; microcephala 66:379; microglossa 69:450; multiradiata 54:228; 65:221; 67:92-93, 381; 68: 412 (fig. 5, map), 416; 70:184; 74: 107; var. scopulorum 74:107; neglecta 51:93; nemoralis 51:101; 55: 195; 60:68; 72:526; neurolepis 62: 131; odora 61:24; 66:404; 71:34; 73:497; 75:160; ohionis 57:114; patula 51:119; 54:254; 60:206, 295; paucifloscula 60:290; 70:290; petiolata 71:34; pitcheri 55:322; pruinosa 55:322; puberula 51:111; 71:301; 72:526; purshii 51:93-94, (pl. 1146); racemosa 51:94; randii 71:166; rigida 54:180; rugosa 53: 19; 60:62, 64, 68; 63:20; 67:373; 72:79; var. aspera 54:131; var. celtidifolia 54:131; 60:206; var. villosa 65:95; 71:523; 72:526; 75: 321; rupestris 66:404, 405 (fig. 1); satanica 55:322; sciaphila 54:180; sempervirens 52:297; 54:210; 63: 289; 65:94; 67:89; 70:443-444; 71: 19, 28, 523; 72:526; 73:47; 74:108, 478; 75:53-54, 56, 321, 423; f. **citrea** 60:261; var. mexicana 54:210; 57: 281, 289; 63:177; 74:108; 75:423; var. sempervirens 74:108; squarrosa 71:166; stricta 66:379; strigosa 62: 131, 241; 63:20; tenuifolia 71:28; 73:261; tortifolia 73:497; uliginosa 51:93-94; 54:180; 55:44, 195; 63:21; 75:405; var. linoides 61:26; 72:526; var. terrae-novae 54:222; 65:95; 72: 526; ulmifolia 51:112; var. **palmeri** 57:36; var. ulmifolia 57:36; uniligulata 51:93; velutina 64:264; wrightii 64:264

Solieriaceae 72:214; 75:274

Soliva sessilis 60:29

Sonchus 69:450; 70:40; arvensis 55: 201; 58:247; 65:95; 72:528; var. arvensis 55:225; asper 58:247; 64: 346; 65:95; 71:28, 523; 72:528; 75: 322; ludovicianus 70:431; oleraceus 57:289; 63:177, 343-344; 66:15; 69: 450; 71:523; 72:528; pulchellus 70: 40; uliginosus 60:54; 72:50

Sonerila 69:165

Sophora 69:414; 70:498-499, 521-523, 527, 530; sect. Eusophora 70:521-522; sect. Pseudosophora 70:521-522; affinis 70:530; alopecuroides 70:521-522; arenicola 70:526; arizonica 70:530; conzattii 70:523, 524 (fig. 3, map), 527; formosa 70: 530; havanensis 70:526; japonica 70:521, 530; littoralis 70:526; nuttalliana 70:29, 523, 524 (fig. 3, map); occidentalis 70:526; purpusii 70:523, 524 (fig. 3, map), 525; secundiflora 70:523, 524 (fig. 3, map); f. xanthosperma 70:528; sempervirens 70:528; sericea 58: 281, 289; 70:521, 523; speciosa 70: 528; tomentosa 57:279, 286; 69:414; 70:521-523, 524 (fig. 3, map), 526; β truncata 70:526; β var. littoralis 70:526

Sophronanthe pilosa 66:380

Sorapion kjellmani 74:420, 427

Sorastrum americanum 63:277; 64: 56; var. undulatum 63:277; spinulosum 63:277; 71:458

Sorbaria sorbifolia 69:315, 318; 71: 306

Sorbus americana 51:111; 52:275-276; 55:165, 358-360; 59-257; 66:61; var. decora 55:360; arbutifolia 71:32; aucuparia 55:359; var. α 55:359-360; var. β 55:358-360; decora 55: 165, 358-360; 66:61; micrantha 55: 358, 360; microcarpa 55:359-360; scopulina 52:276; 55:360; subvestita 55:165

Sordaria fimicola 73:308

Sordariaceae 68:186

Sorghastrum 68:106, 352; elliottii 51:127; 56:38; minarum 68:352; nutans 51:20; parviflorum 67:318; 68:352-353; secundum 56:38; setosum 67:318; stipoides 68:352-353

Sorghum 68:106, 352; bicolor 68:446; brevicallosum 58:136; coriaceum 73: 47; dimidiatum 58:136; halepense 56:180; 57:284; 59:234; 67:318; 68: 352; 75:413; intrans 58:136, (pl. 1226); matarankense 58:136; nitidum 58:136; purpureo-sericeum 58: 136; saccharatum 67:318; stipoidum 58:136; versicolor 58:136; vulgare 56:180; 58:140; 68:352, 446; var. drummondi 59:124; var. technicum 56:180; 59:28

Sorocarpus micromorus 71:154

Sparganiaceae 55:116; 68:436; 75: 314

Sparganium 53:41; americanum 55: 116; 72:509; 73:254; 75:314; androcladum 71:167; angustifolium 55: 48, 116, 223; 72:509; 73:254; chlorocarpum 53:19; 55:116; 63:40; f. **acaule** 68:436; var. acaule 53:14; 55:116; 72:509; var. chlorocarpum 72:509; fluctuans 55:116; 56:244; hyperboreum 54:223; 55:17; 71:504; minimum 53:14, 156; 54:223; 55: 116; 56:245; 57:303; 72:509; multipedunculatum 56:244; 63:40; simplex var. acaule 68:436

Sparganophorus verticillatus 56:256

Spartina 57: (pl. 1215); 75:53, 60-61, 80, 82, 258-259, 262, 266, 270; alter-

niflora 53:20; 71:23; 72:511; 74:411, 413-414, 417-418; 75:53-54, 56, 61, 315; var. glabra 70:442, 444-445; 73:263; 74:476, 482, 483 (fig. 1); bakeri 57:278, 284; ×caespitosa 65: 76; 72:511; cynosuroides 52:255; 70:225; michauxiana var. suttiei 68: 446; patens 57:281, 284; 70:275-276, 442-445, 448; 71:20, 22-24, 27; 72: 511; 73:263, 268, 276; 74:411, 476, 483 (fig. 1), 484; 75:53-54, 56, 61; pectinata 53:5, 19; 59:124; 67:374; 70:442; 72:511; 73:263; var. suttiei 68:446; spartinae 75:370; townsendii 57:105
Spathantheum orbignyagnum 65:68-69, 72
Spathelia bahamensis 75:417; vernicosa 75:417
Spathicarpa sagittifolia 62:256
Spathiger ramosus 67:326; rigidus 67:326
Spathiphyllum cannaefolium 62:252, 256; floribundum 62:252, 256
Spathodea 69:442; campanulata 69: 442
Specularia biflora 53:111; lamprosperma 57:317; ×leptocarpa 57: 317; leptocarpa 53:225; 57:317; perfoliata 70:452; f. **alba** 62:131
Spergula arvensis 53:157; 62:109, 115; 72:517; var. sativa 62:109; morisonii 68:520; pentandra 60:15; 68:520
Spergularia canadensis 62:109, 115; 71:521; 72:517; 75:317; marina 62: 109, 115; 63:288; 70:443-444; 71: 25; 75:57, 317; var. leiosperma 62: 109, 115; 64:345; 65:91; 71:521; 72:517; rubra 62:109, 115; 72:517; 75:317
Spermacoce 69:446; 72:36; aspera 73: 48; 75:422; confusa 67:354; 69:446; floridana 72:36; glabra 51:21; keyensis 72:35; lanceolata 61:171; portoricensis 72:34; riparia 67:354; tenuior 67:354; 69:446; 72:36; var. **floridana** 72:36; var. tenuior 72:36; tetraquetra 72:36-37
Spermatochnaceae 75:269
Spermatophyta 51:109
Spermolepis divaricata 59:40; echinata 59:40; inermis 75:395; patens 75:395
Spermothamnion 75:540; repens 72: 224, 231, 239, 325, 335; turneri 72: 224
Sphacelaria 75:87; cirrosa 71:123; 72:117, 322, 338; fusca 71:528; 75: 268; plumosa 71:124; 74:420, 427; racemosa var. arctica 71:123; radicans 74:420, 428
Sphacelariaceae 71:123; 75:268
Sphacelariales 71:123, 528
Sphaeralcea 69:13-16, 21; ambigua 54:84; angusta 53:132; 69:9, 13, 23; coccinea 57:293; 58:287; 70:41; fendleri 74:83
Sphaerella eucarpa 68:189; lacustris 58:122; leightonii 68:188
Sphaerellopsis fluviatilis 67:252
Sphaeria atrofusca 65:303-304; cerea 65:307; nigerrima 71:193; phaeostromoides 68:190; subcorticalis 71: 198
Sphaeriaceae 71:200
Sphaerocarpus terrestris 59:258; texanus 59:258
Sphaeroceptis schroeteri 64:56
Sphaerocystis schroeteri 71:458
Sphaerognomonia carpinea 62:196
Sphaerophoropsis 56:113, 148; stereocauloides 56:111, 148, 149 (fig. 12), 151-152
Sphaeropteris **atahuallpa** 74:442-443, 444 (figs. 5-8); brunei 73:2 (figs. 9-14), 3-4, 6 map B), 7, 9, 11, 13-15; concinna 73:1; **cuatrecasasii** 73:3, 5 (figs. 15-17), 6-7, 9, 13-15; gardneri 73:3-4, 5 (figs. 23-24), 6 (map C), 7, 9, 17; horrida 73:1, 2 (figs. 5-8), 3-4, 6 (map B), 7-8, 11-12; 74:443; insignis 73:2 (figs. 1-4), 3-4, 6 (map B), 7-10, 12; marginalis 74:442; medullaris 73:1; quindiuensis 73:4, 5 (figs. 18-22), 6 (map C), 7, 9, 15-16; **sipapoensis** 74:441-442, 444 (figs. 1-4)
Sphaerotrichia 75:559; divaricata 71: 125; 74:267
Sphaerozosma 64:58; excavatum 63: 279; filiforme 63:279; granulatum 63:279
Sphagnaceae 53:122; 62:147, 150
Sphagnum 55:44, 247; 70:193, 195-198, 206-208; 72:280-281; 75:499; ångströmii 58:52, 59; balticum 58: 59, 63-64; capillaceum 53:122; 62: 150; 64:18, 19 (pl. 1265); var. tenellum 58:249; 62:150; var. tenerum 74:524; centrale 58:249; 70: 207; compactum 53:119, 122, 127; 58:249; 62:150; cuspidatum 53:122; 58:249; 62:150; var. torreyi 62:150; cyclophyllum 53:119, 122; 62:150; dusenii 58:59, 63; 64:125; erythrocalyx 53:119, 122; fimbriatum 58: 52, 249; 62:150; flavicomans 62:150; fuscum 58:59, 63, 249, 323; 59:26; 62:150; 67:372; girgensohnii 58:249; 62:150; imbricatum 53:122; 58:249; 62:150; var. affine 53:122; 62:150; lindbergii 58:59, 64, 249; 67:380; macrophyllum 53:119, 122; 62:150;

67:377, 385; magellanicum 53:122; 58:249; 62:150; molle 67:376, 385; palustre 53:122; 62:151; 71:20-21; papillosum 53:119; 58:59. 63, 249; 62:151; plumulosum 58:52; 62:151; portoricense 53:119; pulchrum 58: 59; pylaesii 53:119; 67:376; recurvum 53:122; 58:52, 59. 249; 62:151; 70:206; var. tenue 62:151; riparium 58:52, 59. 249; robustum 58:52; 59: 26; 62:151; rubellum 67:372; spp. 70:206-207; squarrosum 53:119; 58: 249; 62:151; strictum 53:127; 67: 376: subsecundum 53:122; 59:253; 62:151; tabulare 53:119, 122; tenellum 58:249; 62:151; tenerum 62: 151; teres 58:52, 59; 62:151; 70:207; warnstorfianum 58:322-323; 59:26; 62:151; 70:207; warnstorfii 58:249; 62:151

Sphenoclea 64:147; zeylanica 51:141; 60:24; 64:156

Sphenopholis filiformis 51:127; 56: 158; intermedia 53:11; 55:289; 57: 304: 70:187; nitida 65:78; pallens 55:289

Sphinctospermum 51:204-208; constrictum 51:204-205, 208, 381, (pl. 1152)

Spigelia marilandica 57:319

Spilanthes acmella 72:95. 98; americana 64:256, 261 (fig. 21), 267; 72: 95; var. stolonifera 64:267; decumbens 64:256; guatemalensis 74:177

Spiloma melanopa 61:100

Spinacea glabra 60:301, 305; oleracea 60:301, 305

Spiraea 53:203-205; alba 52:57; 53: 204-205; 55:47. 165; 69:315, 317; f. **rosea** 52:57: billiardii 53:205; corymbosa 53:204-205; japonica 53: 204-205; 69:315. 318; cv. Anthony Waterer 72:519: latifolia 53:205; 65:92; 60:67; 69:315; 72:519; 75: 318; var. septentrionalis 53:204-205; 69:315; myrtilloides 53:205; prunifolia 57:314; 69:315, 318; tomentosa 53:280. 282-283. 286 (map 1). 287 (map 2), 290-291; 66: 61-62; 69:315; 71:26; 72:519; f. albiflora 53:204-205. 280; var. alba 53:205; var. rosea 53:280-281, 286-287, 290-291; var. tomentosa 53: 280-281. 286-287, 289-291; f. albiflora 53:290; ulmaria 72:546; virginiana 53:205

Spiranthes 53:72; adnata 67:325; amabilis 67:325; cernua 53:83, 85; 60:67; 70:197-198; 73:301; var. cernua 72:515; var. ochroleuca 53: 83; 72:515; cranichoides 67:325; elata 67:325; fawcettii 67:325; gracilis 53:83, 86-87; 55:46, 140; 62:94; 68:462-463; 72:514; 73:301; grayi 72:11; 73:498; lacera 53:83, 86; 68:462-463; 73:300; ×romanzoffiana 53:83; lucayana 67:325; lucida 53:83, 88-89; 62:94; 73:300; 75:158, 160; orchioides 67:325; ovalis 59:127; 70:485; praecox 51: 110; 71:32; romanzoffiana 53:83, 86; 55:80, 140; 70:206, 212; 72:515; 75:316; speciosa 67:325; tortilis 67: 325; tuberosa 72:141; var. grayi 53:83, 87; vernalis 51:110; 53:83-87; 66:379; 71:32; 73:301

Spirodela oligorrhiza 64:83-85; polyrhiza 51:110; 52:259; 53:80, 85; 64: 85; 70:171; 72:10

Spirogyra catenaeformis 58:122; cleveana 64:56; communis 58:123; condensata 58:123; crassa 58:123; denticulata 73:67; dubia 58:123; ellipsospora 64:56; fluviatilis 58: 123; gracilis 58:123; grevilleana 58:117, 123; hantzschii 58:123; hyalina 63:278; hydrodictya 64:56; inflata 58:123; jugalis 64:56; juergensii 58:123; longata 58:123; majuscula 58:123; maxima 58:123; mirabilis 64:56; neglecta 58:123; nitida 64:56; orthospira 58:123; rivularis 63:278; sp. 63:278; 75: 261; spp. 71:460; submaxima 64: 56; weberi 58:123

Spirotaenia condensata 63:278; 64:56

Spirulina duplex 64:56; laxa 63:280; 71:450; major 67:252-253; 73:267; 75:290; sp. 63:280; 75:291; subsalsa 71:117; 73:267; 75:291; f. oceanica 75:291; tenerrima 75:291

Splachnum ampullaceum 62:156; wormskjoldii 54:277

Spondias 69:421; mombin 69:421; purpurea 69:421; 75:418; sp. 69:421

Spondylosium papillosum 63:279; planum 63:279; 71:460; pulchellum 63:279; 64:56; pulchrum 63:279

Spongilla 51:4

Spongomorpha 72:324; arcta 66:233; 71:121, 134; 72:116, 318, 332; 74: 266, 297, 415; 75:58, 60, 62; hystrix 71:121; 72:319, 332; lanosa 71:121; 72:116; spinescens 66:220, 233; 71: 121; 72:116, 319, 332; 74:266, 415

Spongonema tomentosum 72:322, 338; 74:421

Sporidesmium asperum 61:96; aurantiacum 61:87; bakeri 61:98; var. bakeri 61:96-97; var. maydicum 61: 96-97; var. sacchari 61:104; bogoriense 61:96; chartarum 61:96-97; compositum 61:98; curvatum 61:98; ellipticum 61:99; epicoccoides 61:

87; exasperatum 61:99; fumagineum 61:103; funereum 61:99; fusus 61:99; globiferum 61:99; heteromerum 61:99; lepraria 61:95; var. nigerrima 61:95; lepratia 61:95; melanopum 61:100-101; nitens 61:101; nodosum 61:102; paradoxum 61:101-102; phaeosporum 61:96; polymorphum 61:103; pulchellum 61:103; quadratum 61:103; sacchari 61:104; scutellare 71:87; subsp. tumulosum 61:105; striatum 61:104; stygium 61:104; subcuticulare 61:105; suffultum 61:105; trichophilum 61:105; trigonellum 61:105; ulmicolum 61:105; viticolum 61:106
Sporobolus 68:99, 267; aeneus 68:267-268; airoides 52:19; 63:41; 74:390; argutus 67:319; 68:267; asper 56:29; 59:234; 63:25, 136; var. asper 56:29-30; var. **canovirens** 56:29-30; 63:25; var. **clandestinus** 56:30; var. hookeri 56:29-30; var. **macer** 56:29; var. pilosus 54:125; 56:29; berteroanus 67:319; 68:268; brevifolius 63:137; canovirens 56:30; 63:25; clandestinus 51:125, 127; 63:25, 137; **var. canovirens** 63:25; var. clandestinus 63:25; confusus 63:341, 344; cryptandrus 51:19; 52:125; 67:180; 68:518; 72:7; subsp. **fuscicolor** 52:126; subsp. typicus var. **occidentalis** 52:125; var. typicus 52:125; domingensis 57:278, 284; 67:319; eximius 68:269; giganteus 52:166; indicus 68:267-268; junceus 57:284; 71:31; macer 56:29; muralis 67:319; neglectus 52:53; 56:29; 63:25, 331; 68:448; 71:168; var. neglectus 63:25; var. **ozarkanus** 63:25; ozarkanus 56:29; poiretii 52:22; 67:319; 68:267-268; pyramidatus 56:179; 67:319; tenuissimus 67:319; 68:267; teretifolius 66:378; texanus 52:19; 70:450-451; vaginiflorus 51:109; 52:53; 63:25, 137; 68:448; 75:135; var. inaequalis 56:29; 57:267; 63:331; var. **neglectus** 56:29; 68:447; var. **ozarkanus** 56:29; 63:25; var. vaginiflorus 56:28; virginicus 57:278. 281-282, 284; 63:137; 67:313; 68:448
Sporocybe sphaerophila 64:134
Sporotrichium sp. 73:308
Spyridia filamentosa 71:528; 75:278
Squamariaceae 71:134; 72:208; 74:269
Stachys arvensis 56:250; 69:376; borealis 51:168; floridana 64:231; 75:401; foeniculum 70:38; hispida 75:401; palustris 53:22; 55:188; 74:393; scopulorum 74:393; sieboldii 60:23; tenuifolia 64:153, 157 (fig. 38)
Stachytarpheta 69:439; cayennensis 67:350; var. albiflora 67:350; ×hybrida 67:350; jamaicensis 67:350; 69:439; 72:393; strigosa 67:350; urticaefolia 67:350
Stanleya amplexifolia 66:18, 20-23; pinnata 58:149
Stanleyella wrightii 59:64
Staphylea trifolia 55:156; 57:131; 65:304
Staphyleaceae 69:422
Statice brasiliensis var. angustatum 72:25
Stauraspermum 64:58
Staurastrum 63:279; alternans 63:279; 64:56; anatinum var. longibrachiatum 71:460; ankyroides 71:460; arctiscon 71:460; var. glabrum 63:279; aspinosum 63:279; avicula 64:56; var. subarcuatum 69:57; bienianum var. ellipticum 63:279; 69:57; brebissonii 63:279; brevispinum 63:279; var. tumidum 64:56; cerastes 64:56; cingulum 71:460; controversum 69:57; crenulatum 63:279; 64:56; cryptoserum 69:57; cuspidatum 71:461; var. canadense 71:461; dejectum 63:279; 69:57; dickiei 63:279; 69:57; 71:461; var. maximum 64:56; dilatatum 63:279; 64:56; furcatum var. pisciforme 69:57; furcigerum 64:56; gracile 63:279; 64:56; 69:57; grande 64:56; granulosum 63:279; habeebense 58:117; johnsonii 71:460; var. depauperatum 69:57; leptocladum 63:279; var. denticulatum 64:56; var. divergens 63:279; limneticum var. cornutum 71:458, 459 (figs. 26-27), 460; manfeldtii 71:458, 459 (fig. 29), 460; margaritaceum 63:279; megacanthum 63:279; 71:462; odontatum 63:279; 64:56; orbiculare 64:56; paradoxum 63:279; 64:56; 69:57; pentacerum 69:57; 71:458, 459 (figs. 24-25), 460; pilosum 63:279; 71:461; pingue 71:458, 459 (fig. 30), 461; polymorphum 69:57; pseudopelagicum 71:458, 459 (fig. 28), 461; setigerum 69:57; sp. 75:261; subgrande var. minus 64:57; tetracerum 63:279; vestitum 71:461
Staurodesmus bulnheimii 71:461; cuspidatus 71:461; dickiei 71:461; extensus var. joshuae 71:461; incus var. ralfsii 71:461; mamillatus var. maximum 71:461; megacanthus 71:462; subtriangularis 71:462

Stauroneis acuta 64:57; inflata 63: 280; sp. 63:280
Stegnosperma cubense 67:329
Steironema gramineum 75:397; quadriflorum 75:398
Steirosanchezia 66:313; scandens 66: 337
Stelis ophioglossoides 59:250; pygmaea 58:291
Stellaria 51:78; alsine 52:250; 62: 109, 113; f. alpina 52:251; f. ovalifolia 52:250; var. alpina 52:251; antillana 67:330; aquatica 74:381; arenicola 70:204-205; borealis 55: 14; calycantha 55:14, 54, 79, 148; 62:109, 113; 66:413; 70:210; var. floribunda 55:54, 148; 62:109, 113; 72:517; var. isophylla 62:109, 113; 65:91; 72:517; 75:317; ciliatosepala 71:505; crassifolia 53:15; 55:249; edwardsii 54:51; graminea 51:110; 62:109, 115; 64:345; 65:91; 71:521; 72:517; 75:317; holostea 53:268; 55:18; 62:109; humifusa 53:268; 54:40-41, 54; 57:303, 307; 62:109, 113; 75:317; longifolia 52:56; 55: 147; 62:109, 113; 70:210; var. **atrata** 52:56; var. **subaequalis** 52:56; var. typica 52:56; longipes 54:51; 55: 249; 59:292; 65:216; var. laeta 53: 11; media 52:251; 55:11, 147, 225; 60:65; 62:109, 115; 63:288; 64:223, 345; 65:91; 71:521; 72:517; 75:317; pubera 51:147-148; 62:109, 116; 73: 19; var. sylvatica 61:27; 62:109; uliginosa 52:57, 250; f. ovalifolia 52:250; n. alpina 52:251; var. latifolia 52:250; uniflora 52:71
Stelmanis 62:64; scabra 62:73-74
Stemphylium 61:112 (pl. 1240); subgen. Pseudostemphylium 61:87; consortiale 73:308; crataegi 61:103; paradoxum 61:101 ; phaeosporum 61:96; polymorphum 61:103
Stenandrium carolinae 75:422; tuberosum 67:352
Stenochlaena amydrophlebia 67:358; kunzeana 67:358; sorbifolia 67:358
Stenophyllus barbatus 54:170; capillaris 75:378; coarctatus 52:257; curassavicus 67:321; portoricensis 67:321; vestitus 67:321
Stenorrhynchus lanceolatus 67:325; speciosus 67:325
Stenostomum acutatum 67:353; coriaceum 67:353; lucidum 67:353; obtusifolium 67:353; portoricense 67: 353; sintenisii 67:353
Stephanodiscus sp. 63:280
Stephanomeria pauciflora 51:20; 65: 231, 232 (fig. 34), 238; tenuifolia 63:45; 65:231, 232 (fig. 35), 238
Stephanotis floribunda 69:436
Sterculiaceae 65:11; 67:340; 69:425
Stereocaulaceae 56:106-108, 113
Stereocauliscum gomphillaceum 56: 124
Stereocaulon 56:105-106, 108, 110, 112; subgen. Enteropodium 56:113; subgen. Holostelidium 56:113; buchanani 56:121, 123; coralloides 60:81; dactylophyllum 60:81; evolutoides 60:81; laseroni 56:128; pileatum 60:81; piluliferum 56:124
Sternotherus odoratus 51:232
Stethoma comata 67:352; pectoralis 67:352; verticillaris 67:352
Stevia 69:46; 70:231; 72:95; commixta 70:237; decussata 70:237; organensis 72:95, 97; sp. 63:123 (fig. 3), 126; veronicae 70:230 (fig. 5), 237
Stewartia 71:434, 437; malachodendron 51:138; 53:64; 71:437-438; ovata 63:206; 67:394, 396 (fig. 6, map); 71:434, 436 (fig. 2), 437-438; pentagyna 71:434
Stiburus alopecuroides 58:96
Stichococcus bacillaris 67:251; marinum 71:118
Stictocardia 69:437; tiliaefolia 67: 348; 69:437; 72:32
Stictyosiphon tortilis 71:127
Stigeoclonium aestivale 63:276; flagelliferum 64:57; glomeratum 63: 276; lubricum 63:276; nanum 64:57; sp. 63:276; subsecundum 63:276; tenue 63:276
Stigmaphyllon 69:416; diversifolium 67:336; 69:374, 393, 416; ledifolium 67:336; 69:374, 416; lingulatum 67: 336; 69:416; periplocifolium 67:336; 69:416; spp. 69:416
Stigmatea sylvatica 71:197
Stigmella crataegi 61:103; manilensis 61:100; martagonis 61:112, (pl. 1240); nemopanthis 61:101-102; palawanensis 61:100; sacchari 61: 103; vernoniae 61:106
Stigonema mamillosum 58:123; 63: 281; panniforme 58:123
Stigonemataceae 75:293
Stillingia aquatica 57:286; 60:18; sylvatica 57:286; 73:494
Stilophora 75:562; rhizodes 75:29
Stipa 51:22; 68:99, 270; boliviensis 68:275; brachyphylla 68:271, 275; capilliseta 68:271, 273; comata 59: 274, 277; 65:284; curviseta 68:271, 275; dasycarpa 68:271, 275; depauperata 68:271, 274; florulenta 68: 271, 276; hans-meyeri 68:271, 273; holwayi 68:271, 276; ichu 68:271-272; illimanica 68:272, 276; in-

conspicua 68:271, 274; mucronata 68:271, 273-274; nardoides 68:271, 273; neesiana 68:271, 274; neomexicana 51:22; 56:208; 59:274-277, (pl. 1230); obtusa 68:271, 275; pampagrandensis 68:271-272; pflanzii 68:269; plumosa 68:271-272, 276; polyclada 68:271, 275-276; robusta 59:274; scribneri 51:21-22; 56:208; 59:274; spartea 55:362; 59:277; 65:284; speciosa 68:271-272; tiraquensis 68:269; trollii 68:272, 276; viridula 56:212; 59:273-274; ×Oryzopsis hymenoides 59:273
Stipitococcus capense 71:463
×Stiporyzopsis caduca 59:273
Stipulicida 69:59; setacea 59:98; 69:59; 70:290; 73:492; var. **lacerata** 59:98; var. setacea 59:98
Stizolobium pruritum 67:335
Stokesia laevis 71:34
Stomoisia juncea 67:352
Stratiotes aloides 70:170
Streptanthus 58:354; 65:45; carinatus 65:45-46, 57 (figs. 3-4), 48; cutleri 65:45-46, 47 (figs. 1-2), 48; longifolius 62:16; maculatus 58:355; micranthus 62:16; **squamiformis** 58:354; 63:224; 72:503
Streptocalyx 71:36, 269; fuerstenbergii 71:269; poeppigii 71:269
Streptopus amplexifolius 65:184, 310-313, 314 (fig. 1), 315-316; var. americanus 53:81, 86; 55:138; 65:90, 186, 311-312; 75:316 [×roseus var. perspectus] 65:310-317; var. denticulatus 55:138; 65:311-312; var. oreopolus 53:81, 88; 65:312; longipes 51:168; ×oreopolus 65:310-313, 314 (fig. 1), 315-316; roseus 51:168; 58:310; 65:187, 310-313, 314 (fig. 1), 315-316; var. longipes 55:46, 138; var. perspectus 53:81, 85; 63:295; 65:90, 312; 72:514; spp. 71:514
Striaria attenuata 75:269
Striariaceae 71:127; 75:269
Striga asiatica 60:289-290; 68:167; lutea 68:167
Strongylocentrotus drobachiensis 71:155; 72:326
Struthiopteris 52:246; exaltata 67:358; lineata 67:358; polypodioides 67:357; underwoodiana 67:358
Strychnos 70:335
Stylagrostis leiopoda 68:250
Stylesia ambrosioides 66:208-209; puberula 66:208-209
Stylisma 51:38; 72:32; abdita 72:32; aquatica 51:35, 37-38; elliptica 51:37-38; evolvuloides 51:40; β angustifolia 51:40, 42; pickeringii 56:274; trichosanthes 51:37
Stylites andicola 63:88; gemmifera 63:88
Stylophorum diphyllum 70:432
Stylosanthes 65:245; 69:414; 75:416; sect. Astyposanthes 65:245; sect. Eu-Stylosanthes 65:245; sect. Stylosanthes 65:245-246, 249; sect. Styposanthes 65:245-246; angustifolia 62:343; 65:249, 255 (fig. 20); aprica 62:341; biflora 62:340; 65:249, 254 (fig. 18); 73:494, 512, 514; bojeri 62:341; bracteata 65:246, 250 (fig. 2); calcicola 65:246, 250 (fig. 3); 75:416; capitata 65:246, 250 (fig. 1); cayennensis 65:249, 255 (fig. 22); erecta 65:246-247, 251 (fig. 5); figueroae 65:257 (fig. 28), 258; flavicans 62:341; fruticosa 62:341; 65:247, 252 (fig. 10); guyanensis 65:249, 254 (fig. 19); subsp. guyanensis 62:341; hamata 62:343; 65:245-246, 248, 254 (fig. 16); 69:414; 73:50; hippocampoides 65:249, 255 (fig. 23); humilis 65:245, 257 (fig. 30), 258; ingrata 62:341; 65:246, 256 (fig. 25), 258; leiocarpa 65:249, 255 (fig. 21); macrocarpa 65:247-248, 253 (fig. 13); macrosoma 65:256 (fig. 26), 258; mexicana 65:246, 251 (fig. 4); montevidensis 62:341; 65:257 (fig. 29), 258; mucronata 62:341, 343; 65:246-248, 252 (fig. 9); nervosa 65:247-248, 253 (fig. 15); procumbens 65:245; racemosa 70:49; scabra 65:247, 251 (fig. 6); sericeiceps 65:246, 248-249, 254 (fig. 17); setosa 62:341; suborbiculata 62:342; 65:246, 256 (fig. 24), 258; subsericea 65:248, 253 (fig. 12); **suffruticosa** 62:342-343; 65:246, 248, 253 (fig. 14); sundaica 65:245-247, 252 (fig. 11); sympodialis 65:247, 249, 252 (fig. 8); tuberculata 62:343; 65:247, 251 (fig. 7); 75:416; viscosa 62:343; 65:245, 257 (fig. 27), 258
Stylosphaeridium stipitatum 71:462
Styphnolobium 70:521-522; japonicum 70:530
Stypocaulaceae 71:124
Styracaceae 52:296; 60:86; 64:147, 152; 71:33
Styrax americana 71:33; grandifolia 71:33; pulverulenta 66:380
Suaeda 51:23; 52:18; 70:448; americana 60:301, 304; 71:521, 560; 75:317; depressa 62:94; 70:451; fruticosa 67:329; linearis 57:285; 60:301, 304; 70:443-444, 448; 71:560; 72:516; maritima 60:301, 304; 70:

443, 448; 71:24; 72:516; 75:317; novaezelandiae 70:448; richii 60: 301, 304; 70:225, 443-444, 448; 71: 521; sp. 65:91; suffrutescens 51:23; 52:20
Subularia 66:127; aquatica 55:48, 54, 83, 154; 56:40; 60:34; 61:276, 283 (map 4), 284; 63:50-52; 66:127, 128 (fig. 1), 130-131, 133; 70:202; 73: 105, 258; subsp. **americana** 66:127, 128 (fig. 1, map), 129 (fig. 2), 130-133, 134 (pl. 1295); 70:211; subsp. aquatica 66:127, 128 (fig. 1, map), 129 (fig. 2), 130-133, 134 (pl. 1295); 70:211; monticola 66:127, 130, 133, 134 (pl. 1295), 135
Succisa pratensis 67:230
Suckleya suckleyana 54:126; 74:380
Suessenguthia 72:119-120; **cuscoensis** 72:120 (fig. 1, map), 121-122, 123 (fig. 2); **leucerythra** 72:119, 120 (fig. 1, map); trochilophila 66:314, 343; 72:119, 120 (fig. 1, map), 124; **vargasii** 72:119, 120 (fig. 1, map), 121, 123 (fig. 2)
Suprago glauca 72:150
Suriana 69:417; maritima 57:280-281, 286, (pl. 1220); 69:417
Surianaceae 67:336
Surirella 70:292; elegans 64:57; sp. 63:280; splendida 64:57
Surirellaceae 63:280
Svida microcarpa 75:396
Swartzia 68:431; brachystachya 68: 429; grandiflora 67:351; multijuga 70:514
Sweetia 70:499; fruticosa 70:499; panamensis 70:500, 501 (fig. 1, map), 527; carolinensis 53:132; 54: 64, 176; 61:27; coloradensis 56:212; difformis 57:7, 9-11, 25; elliottii 57: 10, 26; lanceolata 57:10; quadrangula 57:11
Swietenia 69:418; macrophylla 69: 418; mahogani 65:190; 69:418
Syagrus **campos-portoana** 65:260; coronata 65:260-261; **getuliana** 65: 260; metaforme 65:260; ×metaforme 65:260; **ruschiana** 65:261; **tostana** 65:261; vagans 65:260
Sycios 70:50; angulata 70:50
Sycopsis 70:425
Sylitra 51:222
Symphonia spp. 70:122
Symphoricarpos 75:211; albus 55:193; var. albus 72:525; var. laevigatus 72:526; var. pauciflorus 55:193; occidentalis 52:39; 69:458; orbiculatus 75:135
Symphyopappus 70:231, 233; cuneatus 70:230 (fig. 9), 231, 237; polystachyus 70:230 (fig. 10), 231, 237
Symphytum asperum 55:238
Symploca atlantica 73:268; 75:291; dubia 58:123; funicularis 73:268; hydenoides 73:268; muralis 58:123
Symplocaceae 52:296; 69:434; 71:33
Symplocarpus foetidus 52:293; 53:80, 85; 68:27; 72:513
Symplocos 69:434; martinicensis 69: 434; tinctoria 52:296; 53:277; 71: 33
Syncephalantha 64:4, 9-10
Synechococcus aeruginosa 67:252
Synechocystis aquatilis 64:57; 67: 252-253; crassa 67:252; sallensis 67:252
Synedra acuta 63:280; radians 63: 280; ulna 63:280; 64:57; 71:468; var. aequalis 64:57; var. biceps 63: 280; var. danica 63:280
Synedrella 69:450; 75:171, 181; nodiflora 69:450
Syngonanthus flavidulus 66:380; glandulosus 73:159; gracilis var. koernickeanus 73:159
Syngonium erythrophyllum 62:256; podophyllum 62:256-257
Synstima 53:232
Syntherisma argillacea 67:318; chinensis 67:318; digitata 67:318; filiformis 60:11; 67:318; ischaemum 67:318; sanguinalis 67:318
Synthlipsis berlandieri 57:245; 61: 254; 74:78-79; var. hispida 57:244; 61:254; 74:78-79; **densiflora** 61:255, 257, 262, 263 (fig. 3), 264; **elata** 61: 255, 256 (fig. 1), 257; greggii 61: 254-255, 257-258, 259 (fig. 2), 260-261, 264; var. greggii 61:258, 260; var. hispidula 61:258, 261; heterochroma 57:245-246; 61:254; 74:78
Synthyris borealis 55:247, 251
Synura adamsii 71:464 (fig. 41), 465-466; uvella 64:57; 71:466; 73:66
Syringa villosa 55:186; vulgaris 52: 296; 68:523; 72:524
Syringodium filiforme 67:317
Syrrhopodon texanus 53:123
Syzygium 69:432; jambos 69:392-393, 432

Tabebuia 69:443; heterophylla 67: 352; 69:376, 442; pallida 67:352; 69:376, 442; rufescens 69:443
Tabellaria 71:465; fenestrata 63:280; 64:57; 71:468; var. asterionelloides 63:280; flocculosa 63:280; 64:57; 71:468
Tabellariaceae 63:280
Tabernaemontana coronaria 67:346; divaricata 67:346
Taeniatherum asperum 72:378

Taeniostema 67:201; 69:184; micranthum 67:65, 201, 298, 300
Taenitis desvauxii 63:35
Tagetes lucida 63:129; 65:231, 232 (fig. 32); patula 70:48
Tainionema occidentale 62:238
Talinum 69:405, 466-468, 474; 70:402; appalachianum 69:467, 469, 474; **calcaricum** 69:466, 469-474; ×calycinum 69:473; ×mengesii 69:473; calycinum 57:319; 60:292; 63:21; 69:467-469, 473; mengesii 69:467-474; 70:399, 401-403, 406; ×calcaricum 69:473; paniculatum 69:405; parviflorum 69:467, 469; rugospermum 69:467-469; teretifolium 69:468-471, 474; 70:399, 401-403, 405; triangulare 69:405; 75:415
Tamarindus 69:411; indica 57:286; 69:393, 411; 71:438; 73:50
Tamonea guianensis 67:342; 69:429; macrophylla 67:342
Tanacetum huronense 54:201, 236; var. floccosum 70:204; vulgare 60:66; 72:527; 75:321; f. crispum 72:527
Taonabo heptasepala 67:340; luquillensis 67:340; pachyphylla 67:340; peduncularis 67:340; stahlii 67:340; subsessilis 67:340
Tapeinanthus 52:247
Tarasa 69:15, 21
Taraxacum ceratophorum 53:7; croceum 53:13; erythrospermum 51:112; 60:66; 64:346; 65:95; 71:523; 72:528; 75:410; kamtchaticum 55:252; kok-saghyz 63:45; laevigatum 51:112; 75:410; lapponicum 53:6, 13; longii 53:7; lyratum 65:222; officinale 60:66; 63:289; 64:346; 65:95; 67:89; 70:179, 559; 71:523; 75:322; var. officinale 72:528; var. palustre 72:528; palustre 55:201; phymatocarpum 54:50, 283; 65:211, 222
Targionia hypophylla 68:471-472
Taxaceae 55:100; 67:356
Taxodiaceae 71:31
Taxodium 70:217; ascendens 60:18; 66:375; 71:31; distichum 51:20
Taxus baccata 51:366; canadensis 55:100; 65:88; 72:508; floridana 56:82; globosa 56:82
Tecoma 69:443; stans 69:443; 73:49
Tecomaria 69:443; capensis 69:443
Tectaria incisa 67:359; martinicensis 67:359
Tectona 69:439; grandis 67:350; 69:391, 439
Teesdalia nudicaulis 63:50, 55
Tektona grandis 69:439
Telaranea nematodes 59:253, 255
Teliostachya alopecuroidea 67:352
Tephrosia 51:193, 227 (map), 233, 305, 369; 55:343; 69:394, 414; sect. Apodynomene 51:223; sect. Brissonia 51:223; sect. Eutephrosia 51:223, 374; sect. Pogonostigma 51:223; sect. Reineria 51:223; sect. Requienia 51:223; **abbottiae** 51:212, 217-218, 237, 357, 359, 363 (map 22), (pl. 1155); adscendens 51:377; adunca 51:377, 379; var. acutifolia 51:377; var. genuina 51:377; f. pseudomarginata 51:377; var. guaranitica 51:377-378; var. intermedia 51:377; f. glabrior 51:377; var. rufescens 51:377, 379; f. grandifolia 51:377; f. paraguayensis 51:377, 379; var. subglabrata 51:377; affinis 51:256; albida 51:336, 338; ambigua 51:305, 311; var. gracillima 51:305, 310; var. intermedia 51:384; amorphaefolia 51:380; angustifolia 51:276, 279-280; angustissima 51:204-205, 377, 379, (pl. 1152); aniloides 51:380; arcuata 51:242; ascendens 51:377; astragalina 51:380; astragaloides 51:201; barclayi 51:380; belizensis 51:204-205, 208, 211-212, 228, 240-41, 343, 345-346, 363 (map 24), (pl. 1152); bracteolata 51:216, 219, 235, 239, 372, 376-377; brandegei 51:378; brevipes 51:378, 380; cana 51:205, 208, 212, 217, 236, 284, 286-287, 323 (map 15); candida 51:203, 220, 233, 237, 256, 372, 374, 376; 67:333; caribaea 51:380; carpenteri 51:312; cathartica 51:203, 378, 380; chilensis 51:381; chrysophylla 51:204-206, 209, 212, 220, 230-231, 236, 301, 309 (map 12), 310-311, 314-318, 343, (pl. 1152); var. chapmanni 51:312; ×florida 51:210, 237, 315, 384; cinerea 51:203, 205, 211, 219-220, 231, 284, 378-380; 67:333; 69:414; β littoralis 51:378-379; γ villosior 51:378; var. typica 51:378; f. pseudo-adunca 51:378; coerulea 51:381; constricta 51:381; conzattii 51:204-206, 208, 212, 216, 225-226, 235, 250 (map 4), 259, 262, (pl. 1152); craccoides 51:381; crassifolia 51:212, 216, 239, 349, 353-355, 357, 360, 363 (map 23), 364; cuernavacana 51:212, 215-216, 235, 250 (map 4), 260-261; decumbens 51:378; diversifolia 51:212-213, 217, 238, 359, 363 (map 20), 369, 372; dolichocarpa 51:381; domingensis 51:378; egregia 51:378; elegans 51:299; elliottii 51:381; emarginata 51:249; filiformis 51:381; flexuosa 51:292-293; **florida** 51:204-206, 209, 212, 214, 220, 230-231,

236, 273, 282, 301-302, 305, 308, 309 (map 11), 310, 315-318, (pl. 1152); foliolosa 51:204-205, 208, 212, 214, 216, 240, 246, 250 (map 1), (pl. 1152); frutescens 51:381; fruticosa 51:381; glabrescens 51:381; glandulifera 51:382; gracillima 51:204, 305, (pl. 1152); gracilis 51:299; grandiflora 51:205, 208, 211, 215, 223, 233-235, 372, 374; guaranitica 51:377-378; gynothrix 51:378; hamata 51:288; hassleri 51:378; heterantha 51:382; heydeana 51:242; hispida 51:292; hispidula 51:204-205, 209, 212, 214, 230-231, 237, 273, 297, 299, 301-302, 308, 309 (map 13), 310, (pl. 1152); 59:227; γ 51:292; holosericea 51:267, 276; hookeriana 51:204; hypoleuca 51:212, 237, 338-339, 341, 378; intermedia 51:315; lanata 51:212, 216, 228, 239, 354-355, 357, 363 (map 23); var. velutina 51:353, 360; langlassei 51:211-212, 226, 228, 240, 242, 323 (map 17), 345, 347-349, 364; latidens 51:201, 267; leiocarpa 51:205, 208, 212, 225, 228, 235, 247, 250 (map 6), 256, 258, 260, 265; leptostachya 51:378; β leptophylla 51:379; leucantha 51:208, 212, 215, 218, 229, 238, 262, 266, 323 (map 16), 335; var. acuta 51:262, 264-265; leucosericea 51:267, 274; lindheimeri 51:205, 212, 218-220, 224, 228, 231, 239, 309 (map 14), 321, 324-327; linearis 51:339, 372, 378-379; littoralis 51:284, 379; longifolia 51:382; lupinoides 51:360; macrantha 51:203, 212, 219-220, 237, 247, 249, 250 (map 2), 364; macropoda 51:201; madrensis 51:212, 219, 224-225, 235-236, 241, 319, 321, 353; major 51:212-213, 238, 248, 345, 347, 354, 359, 361, 363 (map 22); marginata 51:379; var. cinerascens 51:379; var. pseudo-rufescens 51:379; **mexicana** 51:212, 241, 344-346, 363 (map 24), (pl. 1153); mollis 51:382; mollissima 51:293; moschata 51:382; multiflora 51:276, 280; multifolia 51:200, 202, 205, 208, 211-212, 214, 216, 220, 225-226, 228-229, 239, 241-242, 246-247, 250 (map 1), 251, 255-256, 284; nervosa 51:379; nicaraguensis 51:211-212, 218, 226, 240-241, 250 (map 3), 332, 334, 364; nitens 51:204-205, 208, 212, 225-226, 228-229, 323 (map 18), 336, 338, 364, (pl. 1152); var. lanata 51:336, 338; multiflora 51:203-205, 208, 220, 372, 378-379, (pl. 1152); ochroleuca 51:382; onobrychoides 51:205-206, 212, 214, 217-218, 225, 228, 230, 240-241, 273, 276, 280-281, 282 (map 8), 302, 310; var. texana 51:277; oroboides 51:382; pachypoda 51:212-213, 238, 353, 359-361, 363 (map 22); palmeri 51:205, 208, 212, 236-237, 287, 289-290, 323 (map 15); pauciflora 51:276; paucifolia 51:292; penicillata 51:379; perriniana 51:378-379; piscatoria 51:379; platyphylla 51:212-213, 215, 238, 353, 359, 363 (map 20), 371-372; **pogonocalyx** 51:212, 217, 242, 341, 363 (map 21), (pl. 1153); potosina 51:205-206, 212, 218-220, 224, 228, 231, 240, 309 (map 14), 323 (map 18), 324-327; pringlei 51:211-212, 225-226, 239, 330, 351, 363 (map 19); procumbens 51:379; prostrata 51:311; purisimae 51:287, 289; purpurea 51:372, 377, 379-380; 69:373; var. angustissima 51:377, 379; **quercetorum** 51:212, 242, 349, 351, 359, 363 (map 21), (pl. 1154); rhodantha 51:205, 208, 211-212, 216, 219, 224, 226, 229, 236, 239, 250 (map 5), 282, 284; rosea 51:201, 372; roseana 51:262; rufescens 51:377, 379; var. paraguayensis 51:377, 379; rugelii 51:205-206, 212, 214, 217, 228, 230, 236, 290, 292, 297, 309 (map 10), 315, (pl. 1152); **saxicola** 51:212, 225, 239, 327-328, 330, 363 (map 19), (pl. 1153); schiedeana 51:246, 251, 256; scopulorum 51:380; seemannii 51:211-212, 225, 239, 328, 330, 363 (map 19); senna 51:203, 205, 208, 220, 378-380; 67:333; 69:415; sericea 51:249, 351; sessiliflora 51:217, 220, 234, 378, 380; 69:373; **simulans** 51:211-212, 241, 323 (map 17), 347, 349; sinapou 51:200-202, 204-205, 208, 211-212, 216, 218, 225-226, 228, 240, 246, 249, 250 (map 6), 251, 254-256, (pl. 1152); smallii 51:315; spicata 51:204-205, 209, 211-212, 214, 220, 228, 230-231, 235, 237, 276, 292, 297, 298 (map 9), 310, 318, 380, (pl. 1152); var. semitonsa 51:293, 397; stipularis 51:382; submontana 51:212, 238, 323 (map 18), 335; talpa 51:332, 334; tenella 51:204-205, 208-209, 211, 220, 289, 380, (pl. 1152); tepicana 51:212, 219, 224-225, 236, 242, 318-319, 321, 363; texana 51:277; **thurberi** 51:212, 214-215, 217-218, 228, 238, 265-267, 323 (map 16); toxicaria 51:202, 246, 249, 255-256; velutina 51:382; venosa 51:382; venustula 51:380; **vernicosa** 51:212, 238, 242, 323 (map 16), 339-340, 342, (pl. 1153);

vicioides 51:204-205, 208, 216, 380, (pl. 1152); villosa 51:204, 233, 305, 310-311, 372, 378-380; var. flexuosa 51:293; virginiana 51:201-205, 209, 211-212, 214-215, 217-218, 224-225, 228, 230, 238, 267, 269, 271, 272 (map 7), 273-276, 330, 384, (pl. 1152); 61:24; 73:494, 508, 510, 512, 514; β glabra 51:267; γ holosericea 51:267; var. glabra 51:274; var. holosericea 51:274; var. leucosericea 51:384; virginica 51:267; viridis 51: 256; vogelii 51:201, 203, 205, 220, 237, 372, 376; wallichii 51:379-380; watsoniana 51:212, 241, 351, 363 (map 21)
Tepion alatum 67:355; 69:450
Teramnus 69:415; labialis 69:415
Terebraria resinosa 67:353
Terminalia 69:430; catappa 69:430; muelleri 75:419
Terminaliaceae 67:342
Ternstroemia 59:36; hartii 59:38; heptasepala 67:340; **howardiana** 59: 37-38; luquillensis 67:340; peduncularis 67:340; stahlii 67:340; subsessilis 67:340
Tetmemorus 64:58; granulatus 58:124
Tetracentron 70:426
Tetraclea coulteri 67:194
Tetracoccus 56:47 (map 1); subgen. Eutetracoccus 56:49; subgen. Halliophytum 56:49; subgen. Tetracoccaster 56:49; capensis 56:46, 47 (fig. 1, map), 48 (fig. 2), 50, 52, 54-55; dioicus 56:46, 47 (fig. 1, map), 48 (fig. 2), 49-55, 60; engelmanni 56:50-51; fasciculatus 56: 46-47, 55; var. fasciculatus 56:47 (fig. 1, map), 50, 55-57, 60; var. **hallii** 56:47 (fig. 1, map), 48 (fig. 2), 49-50, 54-57, 59-60, (pls. 1199-1200); hallii 56:47-48, 57; ilicifolius 56:46, 47 (fig. 1, map), 48 (fig. 2), 49-50, 52, 54; 65:196
Tetradymia spinosa 52:53
Tetraëdron caudatum 63:277; limneticum 64:57; 71:462; minimum 58: 124; 63:277; obesum 63:277; trigonum 63:277; tumidulum 63:277
Tetradesmus wisconsinense 63:278
Tetragamestus modestus 67:325
Tetragastris 69:417; balsamifera 69: 392, 417
Tetragonia expansa 60:14, 301, 305; 67:329; tetragonioides 67:329
Tetragonotheca helianthoides 73:497
Tetraneuris 59:131
Tetraphidaceae 53:122; 62:147, 156
Tetraphis geniculata 62:156; pellucida 53:122; 58:249; 62:156
Tetraplodon mnioides 54:277; var. urceolatus 54:277; pennsylvanicus 62:156; urceolatum 54:277
Tetrapteris 70:330; buxifolia 67:335; citrifolia 67:335; inaequalis 67:335; methystica 70:329 (fig.), 330
Tetraspora cylindrica 64:57; gelatinosa 58:117; lubrica 64:57; 73:64, 66
Tetrasporaceae 51:4
Tetrasporales 67:252; 71:117
Tetrastrum staurogeniaeforme 64:57
Tetrazygia 69:429; angustifolia 69: 429; elaeagnoides 69:429
Tetrorum pusillum 66:90
Teucrium canadense 53:3, 270; 55: 225; 71:20, 27; charidemi 58:92; occidentale var. boreale 72:524
Teuscheria cornucopia 61:36, 37 (fig.), 38-39; **pickiana** 61:36, 39, 41, 42 (fig.); **venezuelana** 61:35-36, 39, 40 (fig.)
Thalesia 70:499
Thalictrum alpinum 53:7; 67:382; arkansanum 53:131; confine 53:11; 54:201; 56:248; 62:111, 114; dasycarpum 55:47, 150; 58:82; 62:111, 116; var. hypoglaucum 63:331; debile 75:387; dioicum 54:64; 55: 156; 62:111, 114; 75:388; macrostylum 75:388; mirabile 75:387; polygamum 62:111, 113; 64:345; 70:179, 184; 71:521; 72:339, 517; 75:318; var. hebecarpum 62:111, 113; var. intermedium 62:111, 116; var. polygamum 65:91; revolutum 62:111, 114; 72:13, 339; texanum 75:388
Thalloedema 56:112
Thalloidima conglomeratum 56:137
Thamnidium 75:535; intermedium 75: 536, 540, 547; mesocarpum f. penicilliformis 75:585, 587; rothii 75: 537; spetsbergense 75:585, 587
Thamnopsis 56:112
Thaspium trifoliatum var. flavum 53: 132
Thaxteria fusca 68:190
Theaceae 67:340
Thecophyllum sintenisii 67:323
Thelepogon elegans 60:73
Thelesperma filifolium 61:244-246; flavodiscum 61:245-246; intermedium var. flavodiscum 61:245; var. rubrodiscum 61:244; marginatum 73:59; 74:395; **nuecense** 61: 243, 245-246
Thelia asprella 52:72; 53:118, 126; 62: 161; var. **lescurii** 52:72; 62:161; hirtella 53:126; 62:161; lescurii 52: 72-73; 53:118-119, 126; 62:161
Theliaceae 62:147, 161

Thelypodium **paysonii** 59:61-62, 63 (fig. 1), 64-65; purpusi 62:59; **tenue** 59:62, 64-65; texanum 59:62, 64-65; vaseyi 62:56, 58; wrightii 59: 62, 64-65
Thelypteris 61:305; 69:5; 70:2; subgen. Thelypteris 68:468; **abrupta** 61:305; angustifolia 67:359; **antillana** 63:33-34; **aspidioides** 69:5; asplenioides 69:376; **assurgens** 69:5; balbisii 67:358; 69:376; **bangii** 69:5; **biformata** 69:5; **boqueronensis** 69:5; brittonae 67:359; **clypeolutata** 61: 306; **coarctata** 69:5; confluens 73: 444; **consanguinea** 61:306; **consimilis** 68:468; **consobrina** 69:5; **cooleyi** 68:468-469; cordata 69:376; decussata 67:358; **deflexa** 69:5; **delicatula** 61:306; deltoidea 67:358; **densa** 69:5; dentata 67:359; **diplazioides** 67:358; 69:7; dryopteris 57:233; 72:281; **dumetorum** 69:5; **ensiformis** 69:6; **falcata** 69:6; **furva** 69:6; **germaniana** 61:306; 63:33; 67:358; **gigantea** 69:6; **glandulosa** 61:306; **glandulosalanosa** 69:6; gongylodes 67:358; gracilis 68:468; guadalupensis 67:359; hastata 67: 359; **herzogii** 69:6; hexagonoptera 57:224, 229 (figs. 21-22), 232, 236, 239; **hydrophila** 61:306; 63:33-34; **invisa** 61:306; 63:34; **jamesonii** 69:6; **laevigata** 69:6; **leprieurii** 69:6; leptocladia 67:359; **leucothrix** 69:6; **limbata** 61:306; 68:469; lindigii 69:5; **linkiana** 69:6; **longifolia** 69:7; **lugubriformis** 69:7; **macbridei** 69:7; **macrotis** 69:7; megalodus 67: 359; **membranacea** 69:7; **mollis** 69:7; **muscicola** 63:33; **nemoralis** 69:7; nephrodioides 67:359; **nervosa** 69:7; **nitens** 69:7; normalis 67:359; noveboracensis 57:224, 229 (figs. 23-24), 233, 236, 239; 67:402-403; 68:125; 72:508; oligocarpa 63: 34; oligophylla 61:306; 67:359; opposita 67:358; palustris 67:399, 402-403; 68:124; 73:444-445, 453, 455, 458 (fig. 1, map), 459; var. haleana 73:444, 448 (figs. 12-13), 453-454, 456, 458 (fig. 1, map), 459; var. palustris 73:444, 449 (figs. 14-17), 453, 455-456, 458 (fig. 1, map); var. pubescens 57:224, 229 (fig. 25), 232, 236; 72:508; 73:444-445, 446 (figs. 2-5), 447 (figs. 6-9), 448 (figs. 10-11), 451-454, 456-457, 458 (fig. 1, map), 459; 75:314; var. squamigera 73:444, 450 (figs. 18-22), 453, 455-457, 458 (fig. 1, map); var. typica 73:444; patens 67:359; **pavoniana** 69:7; **peruviana** 69:7; **phacelothrix** 69:7; phegopteris 57: 232, 236, 239; 72:508; piedrensis 67:358; 68:468; **pilosula** 69:7; poiteana 67:359; **pteroides** 69:8; reptans 67:359; var. **tenera** 61:306; resinifera 69:376; reticulata 67:359; robertianum 57:233; **rolandii** 69:8; **rosei** 69:8; **rosenstockii** 69:8; rudis 64:348; 69:376; **rusbyi** 69:8; **rustica** 61:306; sancta 67:358; var. portoricensis 67:358; sclerophylla 67:359; serra 67:359; serrata 67:359; simulata 67:399, 400 (pl. 1317), 401 (map), 402-403; 72:339, 508, 529; sprengelii 69:376; **standleyi** 69:8; **subandina** 69:8; tetragona 67:359; **tristis** 69:8; **warmingii** 69:8
Theobroma 69:426; cacao 69:391, 426; subincanum 70:122
Theophrastaceae 67:344; 69:433; 73: 50
Therefon richardsonii 55:248, 251
Thermia 70:34; rhombifolia 70:34
Thermopsis 70:531; mollis 70:45; rhombifolia 58:281; 70:34; villosa 75:159
Thespesia 69:425; populnea 66:13; 69: 425; 73:50
Thevetia 69:435; peruviana 67:346; 69:435
Thibaudia krugii 67:344
Thismia americana 54:211; 58:45
Thlaspi 54:183; 69:461, 463; alliaceum 69:463; arvense 55:153; 63:50, 54; 64:101; 69:463; 72:518; bursa-pastoris 69:463; perfoliatum 60:16; tuberosum 69:460-463
Thouinia portoricensis 67:338; striata 67:338
Thrasya 68:107, 295; campylostachya 68:295
Thrinax ponceana 67:322
Thryallis glauca 67:336; 69:374
Thuidiaceae 62:147, 161
Thuidium abietinum 62:161; alleni 53: 118, 126; 62:162; delicatulum 53: 118, 126; 62:162; 72:277; microphyllum 53:126; 62:170; minutulum 53:126; 62:162; recognitum 62:162; scitum 62:162; tamariscinum 62: 171; virginianum 62:162
Thuja occidentalis 52:273; 55:42-43, 46-47, 101; 57:113; 60:248; 61:210; 62:141; 63:65; 65:77, 88; 72:274, 509; 74:352, 353 (fig. 1), 353, 354 (fig. 2), 356; f. prostrata 74:354; var. ericoides 74:354
Thunbergia 69:444; alata 69:444; erecta 69:444; fragrans 57:288; 69:444
Thuraria 70:51; herbacea 57:291; 58: 288; 59:100; 70:50

Thuspeinantha 52:247
Thyana portoricensis 67:338; striata 67:338
Thyella tamnifolia 67:347
Thymelaea passerina 74:384
Thymelaeaceae 64:277
Thymophylla 64:5-6, 9, 11
Thymus 69:440; vulgaris 69:440
Thyphalea fruticosa 67:339
Thyridaria rubro-notata 71:196 (fig. 11), 198
Thysanella fimbriata 75:386
Thysanotheciaceae 56:107
Thysanothecium 56:107
Tiarella cordifolia 55:295; 58:309-310; 63:51-52, 288; 67:50, 51 (pl. 1310)
Tiaridium indicum 67:348; 69:438; 72:34
Tibouchina 69:175
Tigridia purpurea 67:192
Tilia 72:339-340, 343, 350; americana 52:274, 296; 55:11, 174; 57:131; 62: 200; 63:295; 72:340-341, 342 (fig. 1), 343-344, 554; 73:462; 74:472-473; β pubescens 72:341; var. heterophylla 74:473; var. neglecta 72: 340; var. vestita 72:341; ×heterophylla 72:341; argentea 74:473; caroliniana 74:473; europaea 72: 344; glabra 55:11; 63:65; 74:473; var. neglecta 72:341; heterophylla 72:341, 342 (fig. 1), 343-344; 73: 248; 74:470, 472-473; michauxii 72: 341; 74:472-473; neglecta 66:312; 72:339-341, 342 (fig. 1), 343-344, 350; 74:469 (fig. 1), 470, 471 (fig. 2), 472-474; nigra 72:340; β 72:341; pubescens 74:472; vestita 72:341
Tiliaceae 51:208; 52:296; 55:174; 67: 339; 69:423
Tillaea aquatica 53:2, 268; 54:227; 56:96-97, 98 (fig. 1, map), 100-101; 63:50, 53; cymosa 66:87, 89-90; simplex 56:96-97; vaillantii 56:96-97
Tillaeastrum aquaticum 56:96-97
Tillandsia 57: (pl. 1216); 71:36, 232-235; subgen. Aërobia 71:236, 238; subgen. Allardtia 71:236; subgen. Anoplophytum 71:236, 238; subgen. Diaphoranthema 71:236, 239; subgen. Phytarrhiza 71:236, 238; subgen. Pseudo-Catopsis 71:232, 236, 239; subgen. Tillandsia 71:236, 240; adpressa 71:240, 263; var. tonduziana 71:263; aloifolia 67:323; 69: 60; apoloensis 71:253; australis 71: 241; bakeri 71:240, 262; balbisiana 57:277, 284; 69:60; bandensis 71: 239, 254; bangii 71:240; bartrami 66:20; biflora 71:237-238, 245; boliviana 71:236, 242; boliviensis 71: 237, 244; bryoides 71:239, 256; buchtienii 71:244; calocephala 71: 237, 247; capillaris 71:239, 258; f. cordobensis 71:259; f. hieronymi 71:260; f. incana 71:259; f. virescens 71:259; cardenasii 71:237, 248; caulescens 71:238, 249; circinata 57:284; complanata 71:237, 247; condensata 71:253-254; confinis 71: 237, 243; confusa var. saxatilis 71: 252; crassifolia 71:250; crocata 71: 238, 254; decomposita 71:252; deppiana var. latifolia 71:240; didisticha 71:238, 250; duratii 71:238, 252; var. saxatilis 71:252; fasciculata 57:277, 284; fendleri 71:236, 240; flexuosa 67:323; 71:262; friesii 71:249; funebris 71:239, 257; fuscoguttata 71:237, 245; gilliesii 71:239, 257; guentheri 71:244; herzogii 71: 253; incurva 71:265; incurvata 71: 265; ixioides 71:238, 248; juncea 71:240, 263; krukoffiana 71:236, 242; kuntzeana 71:236, 242; laxissima 71:238, 252; lineatispica 69: 394; loliacea 71:239; 255; longifolia 71:237, 243; lorentziana 71:238, 249; var. simplex 71:249; mandonii 71:254; marantoides 71:237, 243; maxima 71:236, 241; var. densior 71:241; maxoniana 71:266; micrantha 71:260-261; monticola 71:240, 261; myosura 71:239, 257; paleacea 71:238, 254; paraënsis 71:240, 264; pardina 71:240, 262; parviflora 71: 240, 262; pendulispica 71:240, 264; pilosa 71:254-255; pohliana 71:238, 251; polystachia 71:240, 262; pulchella 69:373; 71:251; var. rosea 71: 251; quadrifolia 71:255; recurvata 57:284; 71:239, 258; reichenbachii 71:238, 253; rosea 71:251; rubella 71:236-237, 241; rusbyi 71:237, 244; scalarifolia 71:254; seemannii 71: 239, 260; setacea 66:20; 69:372; simulata 66:20; soratensis 71:253; sphaerocephala 71:237, 245, 246 (fig. 2); spiculosa 71:239, 260; streptocarpa 71:238, 253; sublaxa 67:323; subtropicalis 71:243; tenuifolia 57:277, 284; 66:20; 69:372-373; 71:238, 251; triangularis 71: 261-262; tricholepis 71:239, 255; var. macrophylla 71:256; triticea 71:260; tucumanensis 71:253; usneoides 57:277, 284; 67:323; 70:225; 71:31, 239, 260; utriculata 57:277, 284; 66:20; valenzuelana 67:323; 71:240, 264; vernicosa 71:238, 250; violascens 71:237, 244; walteri 71: 237, 247; weddellii 71:252-253; wil-

liamsii 71:259; xiphioides 71:238, 249
Tilopteridaceae 71:124
Tilopteridales 71:124
Timmia austriaca 51:123; megapolitana 62:158
Timmiaceae 62:147, 158
Tinospora smilacina 73:77
Tipularia discolor 53:83; 63:20; 73:552
Tithonia 69:450; diversifolia 69:450; longeradiata 64:267
Tium michauxii 69:48
Tofieldia coccinea 55:249; glutinosa 53:7, 81, 86; 88:414 (fig. 11, map), 417; 73:53; 75:160; subsp. brevistyla 73:53-54; subsp. glutinosa 73:53; var. brevistyla 73:54; var. **intermedia** 73:54; intermedia 73:53; occidentalis var. intermedia 73:54; palustris 55:137; pusilla 55:51, 76, 137; 67:382; racemosa 71:32
Tolmiaea menziesii 54:256
Toluifera 70:502; balsamum 70:502-503; var. *β* pereirae 70:504; pereirae 70:504
Tolypothrix conglutinata 64:57; distorta 58:124; 64:57; lanata 58:124; 64:57; 71:450; penicillata 58:117, 124; tenuis 58:124; 73:268; 74:485
Tomanthera auriculata 58:88-89
Tomenthypnum nitens 54:51
Toninia 56:105, 108, 111, 113, 137; sect. Eutoninia 56:108-109; sect. Thalloidima 56:108-109; aromatica 56:139; badia 56:148; bornmülleri 56:112; bossoniana 56:109; bumamma 56:112, 139, 140 (fig. 9), 141, 152; candida 56:109; caulescens 56:142-145; coeruleonigricans 56:111; f. caulescens 56:112; conglomerata 56:109, 112, 137, 138 (fig. 8), 139, 152; nigrescens 56:139; nitida 56:148; robinsonii 56:119; ruginosa 56:111, 144, 146, 148, 152; f. **nigricans** 56:145-146, 152; var. **andicola** 56:111, 145-146, 147 (fig. 11), 152; squalida 56:141, 143, 145, 152; f. **caulescens** 56:112, 142, 143 (fig. 10), 144; subsp. caulescens 56:142-143, 152; squarrosa 56:142; subcandida 56:109
Tontanea herbacea 67:353
Torilis nodosa 52:265
Torralbasia cuneifolia 67:338
Torreya 51:125
Torreyochloa 52:53; 54:43, 197; erecta 54:199; fernaldii 52:53-54; 54:199; 68:445; natans 54:199; otisii 54:199; pallida 54:197-199; subsp. pallida var. fernaldii 68:445; var. fernaldii 70:205; paucifolia 54:199; viridis 54:199
Torrubia fragrans 69:404
Tortella caespitosa 62:154; fragilis 64:125; humilis 53:123; 62:154; mucronifolia 62:171; muralis 53:123; papillosa 62:155; ruralis 62:155; tortuosa 62:155
Torularia 59:291; humilis 53:158; subsp. arctica 55:114-115; torulosa 55:110
Toulichiba 70:518
Tournefortia 69:438; bicolor 69:438; gnaphalodes 67:348; 69:438; hirsutissima 69:438; laurifolia 67:348; maculata 67:348; microphylla 67:348; 69:438; peruviana 67:348; volubilis 67:348; 69:438
Touterea parviflora 61:57
Tovara 54:19, 305; **apoënsis** 54:21, 25, 305; filiformis 54:20, 23-25, 305; var. filiformis 54:21, 23, 25; var. **kachina** 54:21, 25, 305; neofiliformis 54:23-24; ryukyuensis 54:23-24; smaragdina 54:23-24; virginiana 54:21, 24, 305; 56:83 (map 2), 84; 60:300, 303; f. rubra 54:22; var. apoënsis 54:25; var. filiformis 54:23; var. glaberrima 54:21-22; 62:130; var. kachina 54:25; var. virginiana 54:21; f. rubra 54:22
Toxicodendron sect. **Simplicifolia** 73:163; sect. Toxicodendron 73:163, 168 (fig. 27, map); sect. Venenata 73:163; aboriginum 73:201, 228, 235; arborescens 73:443; arizonicum 73:370, 371 (fig. 44); biternatum 73:305; blodgettii 73:190; **borneense** 73:73, 119, 121, 130, 163-164, 165 (fig. 25), 166, 167 (fig. 26, map), 465; comarophyllum 73:175, 180; compactum 73:402; coriaceum 73:184, 431, 433; crenatum 73:441; desertorum 73:389; divaricatum 73:370; diversilobum 73:78, 99, 101, 109, 116-117, 119, 121, 124 (fig. 2), 126 (fig. 4), 130 (fig. 8), 138, 142, 152, 155, 164, 172, 173 (fig. 29), 174 (fig. 30), 177 (fig. 31, map), 180, 183-185, 187, 411, 416, 419, 422-423, 431-433, 466 (fig. 53, map), 468-469, 475, 481, 482 (fig. 58, map), 485-486, 488-489, 515-516, 518-519; ×rydbergii 73:431, 488; dryophilum 73:175, 181-182; eximium 73:383; fothergilloides 73:387 (fig. 48), 389, 399; glabrum 73:190, 201-203, 435; goniocarpum 73:191, 203; griffithii 73:95, 119, 121; hesperium 73:388, 399; isophyllum 73:175, 181; laetevirens 73:370, 374; lobadioides 73:184, 431, 433; loba-

tum 73:139; longipes 73:388; macrocarpum 73:388; **magnifolium** 73:73, 103, 109, 136 (fig. 11), 137 (fig. 12), 138; magnum 73:402; monticola 73:402, 403 (fig. 50), 414; negundo 73:227 (fig. 42), 228, 235; **nodosum** 73:73, 88, 99-100, 116-117, 119, 121, 145, 163, 167 (fig. 26, map), 168, 169 (fig. 28), 171-172, 469, 484, 515; orientale 73:128, 206, 207 (fig. 35), 210-211; oxycarpum 73:174 (fig. 30), 175, 181; phaseolcides 73:370, 374; pubescens 73:414, 441; pumilum 73:388, 399; punctatum 73:389, 399; quercifolium 73:402; radicans 73:77, 82, 97, 99-104, 111, 113, 115-117, 146 (fig. 17), 149, 152, 162, 186-187, 200, 386, 411, 415-417, 420-421, 443, 474-475, 490, 516, 518, 520, 522, 525-527; subsp. **barkleyi** 73:107-108, 163, 223 (fig. 40), 224, 225 (fig. 41, map), 226, 235, 275, 424, 467 (fig. 55, map), 469, 481, 484-486, 520; ×subsp. divaricatum 73:423, 467 (fig. 55, map); subsp. **divaricatum** 73:107-109, 114, 163, 225 (fig. 41, map), 226, 235, 370, 371 (fig. 44), 375, 434, 467 (fig. 55, map), 469, 474, 481, 484-485, 515; ×rydbergii 73:433; subsp. **eximium** 73:111-112, 164, 225 (fig. 41, map), 235, 383, 384 (fig. 47), 386, 469, 519; subsp. **hispidum** 73:73, 96, 98, 101-103, 138, 152, 164, 204, 213, 214 (fig. 37), 215 (fig. 38, map), 217, 235, 473; subsp. **negundo** 73:104, 112-115, 119, 121, 123 (fig. 1), 127 (fig. 5), 129 (fig. 7), 146 (fig. 17), 147 (fig. 18), 148 (fig. 19), 151 (fig. 20), 155, 156 (fig. 23), 163, 201, 205-206, 222, 227 (fig. 42), 228, 229 (fig. 43, map), 236-237, 400-401, 415, 423, 426-427, 429-431, 435-437, 465, 467 (fig. 54, map), 468-470, 474, 480 (fig. 57, map), 483, 485-486, 489, 515-517; ×subsp. pubens 73:426-427; ×subsp. radicans 73:428, 467 (fig. 54, map); ×rydbergii 73:435, 467 (fig. 54, map); subsp. **orientale** 73:96, 98, 101-103, 115, 119, 121, 123 (fig. 1), 125 (fig. 3), 127 (fig. 5), 128, 130 (fig. 8), 131, 137 (fig. 12), 138, 146 (fig. 17), 152, 164, 204, 206, 207 (fig. 35), 208 (fig. 36, map), 212-213, 217, 235, 400, 469-470, 473, 481, 483, 486; subsp. **pubens** 73:107-108, 113-114, 163, 182, 205-206, 218, 219 (fig. 39, map), 222, 236-237, 377 (fig. 46), 380, 416, 426-427, 468-469, 484, 515; ×subsp. radicans 73:426-427; subsp. radicans 73:81-82, 86, 98, 100-101, 103-104, 112-114, 116, 119, 121, 125 (fig. 3), 127 (fig. 5), 129 (fig. 7), 130, 138, 143 (fig. 15), 144 (fig. 16), 152, 155, 164, 188 (fig. 32), 189 (fig. 33), 190, 192 (fig. 34, map), 200-203, 205-206, 217-218, 222, 235-237, 400-401, 415-416, 418-419, 423, 426-427, 429-431, 435-436, 438, 440, 443, 467 (fig. 54, map), 468-469, 479, 482, 483 (fig. 59, map), 485-486, 488-490, 499, 503, 505, 507, 509-510, 513-516, 518, 522-524 (fig. 62); ×rydbergii 73:436, 467 (fig. 54, map); ×toxicarium 73:439; subsp. **verrucosum** 73:108, 114, 163, 219 (fig. 39, map), 221, 235, 375, 376 (fig. 45), 377 (fig. 46), 386, 414, 416, 418, 441-442, 468-469, 485-486, 488-489, 519; ×toxicarium 73:441; var. divaricatum 73:370, 424; var. eximium 73:383; var. littoralis 73:191; var. microcarpon 73:190; var. rydbergii 73:388; var. volubile 73:443; rhomboidea 73:378; rufescens 73:202, 435; rydbergii 73:79-80, 85-86, 104-106, 109, 113-114, 116, 119, 121, 123, 124 (fig. 2), 126 (fig. 4), 127 (fig. 5), 129 (fig. 7), 130, 141 (fig. 14), 145, 155-156, 157 (fig. 24), 163, 184, 187, 198-199, 205, 212, 236-237, 380, 387 (fig. 48), 388, 390 (fig. 49, map), 398, 400-401, 411, 415-416, 419, 422-423, 431-438, 466 (fig. 53, map), 467 (fig. 54, map), 469-471, 475, 479 (fig. 56, map), 480, 485-486, 488-489, 515-516, 518-519; serratum 73:443; silvestre 73:94, 96; striatum 73:98, 116; succedaneum 73:88, 96, 99; **toxicarium** 73:97, 110-112, 114, 116-117, 119, 121, 124 (fig. 2), 126 (fig. 4), 127 (fig. 5), 130 (fig. 8), 132, 145, 151 (fig. 20), 152, 153 (fig. 21), 154 (fig. 22), 155-156, 157 (fig. 24), 162, 164, 386, 402, 403 (fig. 50), 404 (fig. 52), 406 (fig. 51, map), 411, 413-421, 440-442, 469, 481, 482 (fig. 58, map), 484-486, 488-490, 499, 504, 506-507, 509-510, 513, 515-516, 520, 521 (fig. 61), 522-523, 524 (fig. 62), 525-528; toxicodendron 73:402, 412; trichocarpum 73:88, 94, 96, 99, 119, 121, 124 (fig. 2), 126 (fig. 4), 127 (fig. 5), 130 (fig. 8), 155; vaccarum 73:175, 181; vernicifluum 73:78, 88, 94, 96, 98; vernix 73:98, 119, 121, 130; verrucosum 73:377; volubile 73:443; vulgare 73:86, 388, 412-413; wallichii 73:94, 152

Tracaulon 72:187

Trachelomonas armata var. longispina 69:57; crebea 64:57; hispida 63: 280; horrida 69:57; volvocina 69:57
Trachelospermum difforme 70:36
Trachypogon 68:106, 354; canescens 68:355; montufari 68:354-355; plumosus 68:355; polymorphus var. bolivianus 68:355
Trachypteris pinnata 63:88
Tradescantia bracteata 60:42; f. **albiflora** 52:55; f. **rosea** 52:55; brevifolia 72:265; canaliculata 64:149; elongata 67:323; ernestiana 56:160; fluminensis 63:89; geniculata 67: 323; leiandra 61:137; 72:265; var. brevifolia 72:265, 267; var. ovata 64:68, 70; 72:264; longipes 51:116; navicularis 64:149, 155 (fig. 6); ohioensis 53:80, 88; 64:149; f. **pilosa** 56:160; ×subaspera 53:80; ×virginiana 53:80; palmeri 64:329; reverchoni 64:149; rosea var. graminea 70:290; semisomna 64:69; speciosa 72:264, 267; subaspera 53: 80, 88; virginiana 52:293; 53:80, 88; 65:75; 71:303
Tragia 69:241-242, 244-246, 249, 251-255, 257-258, 297, 421; sect. Eutragia 69:242-243, 255, 260, 297; sect. Bia 69:254, 297, 303; sect. Leptobotrys 69:251, 254-255, 259-261, 285, 296-297; sect. Leptorachis 69:242; sect. Leucandra 64:138; 69:242-243, 255, 260-261, 285, 297; sect. Tragia 64:138; 69:243, 251, 254-255, 257, 259-261, 297; sect. Zuckertia 69: 303; affinis 69:255, 267; amblyodonta 64:140; 69:242-243, 245, 251, 254-257, 260, 268 (fig. 13), 283, 286-287 (fig. 24), 288, 289 (map 7), 290; angustifolia 64:139; 69:281; bahiensis 69:257; bailloniana 69: 421; betonicifolia 69:244, 251, 256, 259, 261, 270, 271 (fig. 20), 272, 273 (map 4), 274, 281, 283, 286, 292, 298-299, 303; brevispica 69: 242, 244, 251, 254-257, 260-261, 266, 268 (figs. 9-11), 273 (map 5), 274, 275 (fig. 21), 276-278, 281, 283, 285-286, 290, 303-304; capensis 69: 251; cordata 64:358; 69:244-245, 251, 255, 259, 261, 263 (map 2), 265 (fig. 18), 266-267; discolor 69:300; *α* subovalis 69:300; *β* cuneata a. lanceolata 69:300; b. latifolia 69: 300; *δ* linearis 69:300; fallax 69: 251; geraniifolia 69:251, 257; glanduligera 69:244, 246, 251, 254-255, 257, 259, 261, 262 (fig. 17), 263 (map 1), 264, 266, 278, 290; innocua 69:297, 300; laciniata 69:241, 251, 256-257, 259, 289 (map 8), 292, 293 (fig. 26), 293-294; leptophylla 69:244; linearifolia 54:174; 69:300, 302; macrocarpa 69:266; mexicana 69:246, 303; michauxii 69:266; nepetaefolia (see also nepetifolia) 69:453; var. amblyodonta 64:140; var. angustifolia 64: 140; var. latifolia 64:140; var. leptophylla 64:140; var. scutellariaefolia 64:140; var. teucriifolia 64: 140; nepetifolia 69:242-244, 251, 255-257, 260-261, 263 (map 1), 270, 277-278, 279 (fig. 22), 280-281, 283, 285-286, 294, 453; *β* latifolia 69:283; *γ* amblyodonta 69:288; *δ* teucriifolia 69:276-277; *ε* genuina 69:278; *η* scutellarifolia 69:284; *θ* angustifolia 69:284; *ξ* ramosa 69: 283, 285-287; var. leptophylla 69: 284, 286; var. ramosa 64:139; nigricans 69:244-245, 247 (pl. 1356), 249, 251, 256, 259, 289 (map 8), 295 (fig. 27); paxii 69:257; pinnata 69:257, 294; pungens 69: 252; ramosa 64:139; 69:242, 244, 248 (fig. 5), 249, 250 (fig. 7), 251, 254, 256, 260-261, 268 (fig. 12), 273 (map 6), 274, 277, 280-281, 282 (fig. 23), 285-286, 290, 292, 304; *α* latifolia 69:284; *γ* leptophylla 69: 283; var. leptophylla 64:140; saxicola 69:244, 251, 256, 260, 273 (map 5), 290, 291 (fig. 25), 292, 299; scandens 64:140; scutellariaefolia 64:140; scutellariifolia 69: 283; sellowiana 69:251; smallii 69: 249, 250 (fig. 8), 251-252, 254-255, 260-261, 268, 273, 289 (map 9), 297, 298 (fig. 28), 299, 302-303; stoltziana 69:251-252; stylaris 64:140-141; 69:249, 283, 285-286; *α* latifolia 69:283; *β* angustifolia 69:283; *γ* leptophylla 69:283; var. *α* latifolia 64:140; var. angustifolia 64: 140; var. leptophylla 64:140; tenella 69:257; teucriifolia 64:139; 69:242, 274, 276-277, 290; tristis 69:251-252; urens 69:245-246, 249, 251-252, 254-255, 260-261, 268, 289 (map 10), 297, 299-300, 301 (fig. 29), 302-303; *α* subovalis 69:300; *β* lanceolata 69:300; *δ* linearis 69:300; var. *α* innocua 69:300; urticifolia 59:40; 69:247 (pl. 1356), 248 (fig. 6), 251, 254, 256, 259, 261, 263 (map 3), 267, 268 (fig. 14), 269 (fig. 19), 270, 274, 281, 285, 292, 302, 304; var. laciniata 69:292; var. texana 69:272, 274; volubilis 69:242-243, 251, 260, 421
Tragiola 64:147; pilosa 64:154, 159 (fig. 46)

Tragoceros americanus 64:265; 74: 511-512; microglossus 74:511-512; mocinianus 64:265; schiedeanus 64: 265; 74:203, 511-512; zinnioides 74: 512
Tragopogon 55:325; 56:7; brevirostris 56:7; cupani 56:7-8, 11 (figs. 18-20), 13, 21; dubius 55:325-327, (pl. 1197); 56:7-8, 11 (figs. 1-17), 12-13, 15, 18-19, 21; 60:29; subsp. dubius 55:326-327; subsp. major 55: 325-327; longirostris 56:9, 14 (fig. 40), 16, 21; major 54:260; 55:325-327; 56:7; subsp. dubius 55:326-327; marginatus 56:7; mirus 56:7, 10, 17 (figs. 45-47), 18-19, 21; 57: 105; miscellus 56:7, 10, 17 (figs. 48-50), 19, 21; 57:105; orientalis 56:9, 16, 17 (figs. 41-44), 18, 21; porrifolius 56:7-9, 13, 14 (figs. 21-30), 15-16, 18-19, 21; pratensis 51: 112; 55:326; 56:7, 9, 14 (figs. 31-39), 15-16, 18-19, 21; 63:45; subsp. pratensis 56:16; racemosus 56:179
Tragus 51:7; 68:104, 279; berteronianus 51:7, 67:318; racemosus 51:7; 68:279
Trailiella intricata 66:229; 71:132, 527; 72:201, 208, 239; 73:284; 75: 279
Trapa natans 54:135; 59:265; 70:171
Trautvetteria carolinensis 54:212; 61: 291
Treleasea brevifolia 72:265; pumila 61:138-139
Trema 69:400; lamarckiana 73:206; micrantha 69:400
Trematodon ambiguus 62:152; longicollis 62:152
Trentepohlia 75:535, 566; daviesii 75: 81, 551, 577; purpurea 75:536; virgatula 75:95, 577; var. secundata 75:577
Trepocarpus aethusae 51:21
Triactina 53:89
Triadenum virginicum 62:294
Triantha intermedia 73:54
Trianthema 69:404; portulacastrum 69:404
Tribonema bombycinum 58:124; 63: 279; 64:57; f. tenue 58:124; minus 63:279
Tribonemataceae 63:279
Tribulus 69:415, 455-456; alacranensis 69:456; alatus 69:455-456; cistoides 69:415, 455-456; 74:117, 118 (figs. 1-4), 119 (figs. 5-8), 120; sericeus 69:456; terrestris 67:181; 69:455-456
Tricera citrifolia 67:338; vahlii 67: 338
Trichachne 65:355; 68:107, 293; **affinis** 65:355; 68:293; 69:372; californica 51:20, 22; 56:208; 68:293; eggersii 67:318; insularis 57:160; 65:355; 67:318; 68:293; patens 51:22; saccharata 68:294; sacchariflora 65: 355; 68:293
Trichasterophyllum hyssopifolium 67: 298
Trichaetolepis 64:8
Trichilia sp. 70:130
Trichipteris cordata 74:446; **cyclodium** 74:446-447, 448 (figs. 13-14), 449; **maguirei** 74:447, 448 (figs. 15-16), 449; sagittifolia 74:446; **steyermarkii** 74:446, 448 (figs. 11-12); williamsii 7:447, 449
Trichloris 68:101, 286; mendocina 68: 286; pluriflora 68:286
Trichocladus 71:311
Trichocolea tomentella 53:120
Trichocoronis wrightii 64:252, 260 (fig. 7), 263
Trichoderma viride 73:308
Trichodesmium lacustre 63:280; thiebautii 75:291
Trichodium laxiflorum 68:438
Trichodon cylindricus 64:122-123
Trichogonia 70:233; 72:94; gardneri 70:231, 237
Tricholaena repens 69:372; rosea 68: 296
Tricholoma 71:178, 190; davisiae 64: 132; griseum 71:184; hygrophorus 71:184; rubescentifolium 68:176
Tricholomopsis 71:189, 191; bella 71: 190-191, 192 (pl. 1412), 193; flavescens 71:191; ornata 71:191; **sulphurea** 71:188 (pl. 1411), 189-191; sulphureoides 71:191; thompsonianae 71:191
Trichomanes angustifrons 67:360; boschianum 57:220; 60:143-144; fimbriatum 63:31; kepplerianum 67:360; ovale 67:360; punctatum subsp. sphenoides 67:360; pusillum 67:360; radicans 64:348; robustum 67:360; sphenoides 67:360; superbum 63:31; trigonum var. **fimbriatum** 63:31
Trichometasphaeria gloeospora 62: 195 (fig. 6), 197-198
Trichophaea bullata 71:202
Trichophyllum oppositifolium 66:185, 285
Trichopteryx 68:100, 291; flammida 68:291
Trichosanchezia chrysothrix 66:343
Trichosphaeria barbicincta 65:305; subcorticalis 71:198
Trichostema dichotomum 52:297; 60: 43; 71:33; 73:496; setaceum 60: 207-208; suffrutescens 57:279, 288

Trichostigma 69:404; octandrum 69: 404
Trichostomum cylindricum 62:155; 64: 123; tenuirostre 59:26; 62:155; 64: 123; 72:494
Trichothecium roseum 73:306
Trichothyrina parasitica 71:194
Trichothyrium 71:195; epimyces 71: 195
Tricyrtis hirta 65:186
Tridactylina kirilovii 62:261
Tridax 69:450; 70:241, 245; accedens 70:241-242, 245-246; dubia 70:242, 245-246; **oligantha** 70:241-242, 245-246; pringlei 70:241; procumbens 66:15; 69:450
Tridens ambiguus 71:31; elongatus 56:28; var. muticus 56:28; flavus 56:179; 59:72; var. **aristatus** 56:27; var. **chapmanii** 56:27; muticus var. **elongatus** 56:28; oklahomensis 59: 72; pulchellus 56:179; strictus 52: 126-127; 59:72; 71:31
Trientalis 72:340; americana 55:46; borealis 52:296; 55:45, 185; 58:310; 65:23, 94; 67:402; 71:26; 72:282, 489, 490 (map 1), 491-492, 523; 75: 320; europaea subsp. arctica 71:506
Trifolium 59:243; 72:387; 75:115; agrarium 55:14, 170; 60:65; 72: 520; 75:319; angustifolium 75:391; arvense 70:443; 72:520; hybridum 55:169; 64:346; 71:522; var. elegans 72:520; monanthum 58:281; pratense 51:8; 52:295; 53:22; 55:169; 60:65; 64:346; 65:92; 71:522; 72: 520; f. leucochraceum 54:209, 213, 255; 74:150; f. pilosum 72:520; var. frigidum 53:22; var. sativum 53:22; 75:318; procumbens 51:111; 55:170; 72:520; repens 55:169; 60:65; 63: 288; 64:346; 65:92; 71:522; 72:520; 75:319; f. phyllanthum 71:170; resupinatum 53:130, 132; simplicifolium 64:61-62; vesiculosum 75: 391
Triglochin maritimum 54:203; 65:88; 68:436; 70:442; 71:22; 72:509; 75: 56, 314; palustre 53:156, 160; 54: 203; 55:84, 117; 57:114; 58:65; 68: 436; 71:504; 72:509; 75:314
Trigonospermum adenostemmoides 74: 513
Trilisa 70:474-476, 480-482; carnosa 60:120; 70:475; odoratissima 60: 118-119, 121; 64:90; 66:379; 70:474-478, 480-481; 71:34; paniculata 53: 114; 60:119, 121; 64:90; 70:474-482; f. **alba** 53:114
Trillium 55:101; 72:2; catesbaei 73: 244, 247-248; cernuum 53:81, 84-85; 55:139; 57:265; 67:373; 72:11, 554; var. macranthum 53:81; 55: 139; 57:265; var. **terrae-novae** 55: 101; cuneatum 63:20; 73:248; discolor 73:248; erectum 53:10, 81, 85; 55:156, 295; 57:265, 336; 61:124; 63:21, 295; 65:77; 72:492; f. albiflorum 53:81; 57:306; f. luteum 53:81; f. **sessiloides** 55:102; erythrocarpum 55:295; flexipes 55:156; grandiflorum 53:81, 87; 54:64; 57: 265; 61:124; 72:492; 73:247-248; nivale 57:315; 73:247; ozarkanum 51:116; 62:130; **persistens** 73:244, 246-248; pictum 55:295; pusillum 51:368; 52:261; 63:307; 73:247; var. **ozarkanum** 62:130; 63:307; var. virginianum 51:304, 368 (fig. 1); recurvatum 54:126; 61:124; f. **foliosum** 61:124; f. **petaloideum** 61: 124; f. shayi 56:227; 60:42; sessile 71:303; undulatum 53:16, 81, 85; 65:23; 72:282, 514; f. cleavelandicum 53:81; f. polymerum 53:81; vaseyi 72:492; viride 66:312
Trimezia 64:291, 307; **fistulosa** 64: 309; **lutea** 64:308; **martii** 64:309; martinicensis 64:307-308, 310; 67: 324; meridensis 64:308; **steyermarkii** 64:310
Triniochloa 68:99, 266; stipoides 68: 266
Triodanis biflora 74:387; perfoliata f. alba 62:131
Triodia 68:99, 235; avenacea 68:235; chapmani 51:127; cuprea 56:179; elongata 56:28; flava f. cuprea 57:266; 59:234; pilosa 51:19; 52:19; seslerioides var. aristata 56:28; stricta 52:126; 55:289
Triosteum 72:344, 347; 75:120-121; angustifolium 55:346-347; f. **rubrum** 55:347; aurantiacum 55:346; 72:349; hispidum 55:346-347; perfoliatum 75:121
Triphasia 69:417; trifolia 69:417
Triphora pendula 58:34; trianthophora 53:83, 87; 58:31, 33-34; 71: 509; 74:141; var. schaffneri 68:420; var. trianthophora 68:420
Triplasis 51:6-7; purpurea 51:6; 56: 181; 57:284; 63:134, 136; 68:518; 74:390
Triploceras gracile 63:278
Tripogandra elongata 67:323; grandiflora 64:338
Tripogon 68:104, 282; spicatus 68: 282
Tripsacum 68:106-107, 357; australe 68:357; dactyloides 66:11, 371-372; 68:357; floridanum 66:371-373
Tripterella coerulea 56:256-257

Trisetum 68:101, 103, 242; floribundum 68:243; interruptum 52:166; melicoides var. majus 65:78; oreophilum 68:243; pensylvanicum 60: 207; spicatum 54:224; 55:41, 121-122, 248; 65:212; 67:382; 68:243, 449; subsp. molle 68:450; var. maidenii 54:277; 55:121-122; 68: 449-450; var. molle 51:109; 54:224; 55:121-122; 61:23; 68:411 (fig. 3, map), 416, 449; var. pilosiglume 54:224; 55:121; 56:243, 245; 57:301-302, 304; 68:411 (fig. 3, map), 416, 419; subspicatum 54:277; f. maidenii 68:450; var. molle 51:109; triflorum subsp. molle 68:450
Trismeria 75:412; trifoliata 67:357; 75:412
Tristachya 68:100, 292; chrysothrix 68:292
Triteleia uniflora 60:13
Triticum aestivum 56:180; 69:31; 72: 510; trachycaulum 56:28
Tritomaria exsecta 59:252-253; exsectiformis 60:234; quinquedentata 60:253; scitula 60:253
Tritonia riparia 64:307
Triumfetta 69:423; bartramia 67:339; 69:374, 423; bogotensis 67:339; excisa 67:339; hispida 67:339; lappula 69:423; rhomboidea 69:374; semitriloba 69:423
Trixis 70:233-234; californica 64:270; divaricata 70:233, 240; pinnatifida 70:230 (fig. 25), 233, 240; radialis 64:259, 261 (fig. 33), 270
Trizeuxis pygmaea 59:288
Trochiscia 63:277; obtusa 63:277; reticularis 63:277; 67:251
Trochodendrales 70:425-426
Trollius laxus 62:111, 115; 70:285
Tropaeolaceae 71:550
Tropaeolum glaziovii 71:550
Troximum ciliatum 70:50; cuspidatum 70:50; glaucum 57:291; 70:50; marginatum 70:50
Tsuga canadensis 57:194; 60:243-244, 329; 61:21; 62:90. 92; 63:65-69; 64: 99; 65:77; 67:92; 72:5, 280-281, 509; 73:248; heterophylla 72:497
Tuberaria 69:186
Tubeufia **cerea** 65:302 (figs. 4-5), 307-308
Tubiflora caroliniensis 64:89
Tubiflorae 51:70
Tulostoma brumale 67:89-90; 73:20, 22, 23 (fig. 1), 24, 27, 31, 33, 34 (fig. 2), 35, 36 (fig. 3); imbricatum 67:90; mammosum 67:90; pedunculatum 67:90; simulans 67:90; squamosum 67:90
Tunica 52:233; prolifera 52:245; 75: 387; saxifraga 52:245; 62:109, 115
Tupa portoricensis 67:354; robusta 67:354
Turbina 69:437; corybosa 69:437
Turnera 69:427; subulata 66:107; ulmifolia 69:427; var. angustifolia 66:107-108; var. elegans 66:107-108; var. ulmifolia 66:107-108
Turneraceae 64:147, 152; 69:427; 75: 419
Turpina 69:422; paniculata 69:422
Turritis hirsuta 62:20
Tussilago farfara 51:112; 53:22, 93; 74:403, 404 (fig. 1, map)
Tynnanthus **caryophylleus** 67:352; myrianthus 67:352
Typha 56:207; angustifolia 56:80; 57:283; 61:276; 63:40; 66:11, 141; 67:317; 70:171; 71:20, 22; 72:285; domigensis 57:283; 66:11; 67:317; latifolia 53:19, 156; 55:47, 116; 60: 207; 64:284; 66:141; 67:374; 70: 171; 71:297; 72:509; 73:105; 75:57, 314; f. ambigua 54:221; 60:207
Typhaceae 55:116; 66:11; 67:317; 75: 314

Ucacou 75:171, 181
Udora 67:171; brasiliensis 67:171; canadensis 67:7, 12, 171; granatensis 67:171; guyannensis 67:171; lithuanica 67:171; occidentalis 67: 21, 171; orinocensis 67:171; pomeranica 67:171; surinamensis 67:171; verticillata 67:171; var. minor 67: 170-171
Ulmaceae 58:129; 67:327; 69:400
Ulmus 70:294-295; 71:544; alata 70: 295; 71:545; americana 53:3; 54: 138-139; 58:91, 129, 131; 60:67, 71; 62:200; 63:65, 288; 64:333; 65:366; 67:386; 70:295; 71:169, 544-545; 72: 554; f. alba 58:129; 71:169; f. intercedens 58:129; 71:169; f. laevior 54:139; 58:129; 71:169; f. pendula 58:129; 69:31; 71:169; var. floridana 71:545; campestris 54:138-139; 71:544; carpinifolia 70:295; 71:544; crassifolia 71:545; 73:222; fulva 54:139; 71:544; glabra 54: 138; 58:129; 70:295; 71:544; ×hollandica 70:295; var. klemmer 70: 395; japonica 70:295; laevis 70:295; macrocarpa 71:545; montana 71: 544; parvifolia 71:546; procera 58: 129; 74:143; cv. argenteovariegata 73:306; pumila 57:313; 63:42; 71: 544; rubra 53:225; 54:139; 58:129, 132; 71:169, 303, 544; 72:554; serotina 71:546; thomasii 58:129, 133; 70:295; 73:306; wilsonii 70:295

Ulota americana 62:159; crispa 58: 249; 59:257; 62:159; drummondii 62:171; hutchinsiae 62:159; ludwigii 62:159; phyllantha 58:249
Ulothrix belkae 67:247 (pls. 1315-1316), 248, 251; cylindricum 63:276; endosporangia 75:261; flacca 66: 220, 234; 71:117-118, 527; 72:319, 332; 73:268; 74:265, 415; 75:58, 261; implexa 58:124; pseudoflacca 73:268; sp. 63:276; 75:261; subconstricta 63:276; 71:462; subflaccida 73:269; 74:485; 75:261; subtilissima 67:251; tenerrima 63: 276; 64:57; 71:462; variabilis 63: 276; 71:462; zonata 64:57
Ulotrichaceae 63:276; 67:251; 71:118; 74:265; 75:261
Ulotrichales 67:251; 71:117, 526; 73: 268
Ulva 75:488; gigantea 73:275; 74: 479; lactuca 66:220, 234; 71:154, 527; 72:116, 319, 321, 332; 74:266, 409, 411, 416; 75:58, 63, 264; var. latissima 75:265; var. rigida 75: 265; rigida 73:275; 74:480
Ulvaceae 71:118; 74:265; 75:262
Ulvales 67:251
Ulvaria oxysperma 73:275
Umbelliferae 55:177; 59:242; 63:211; 67:344; 69:432; 71:550; 75:319, 420
Umbilicaria dillenii 60:84; mammulata 60:84; muhlenbergii 60:84; papulosa 60:84
Umsema 75:448; mucronata 75:452; obtusifolia 75:452
Uncinia 67:133; 74:322 (fig. 13); hamata 67:133; phleoides 67:133; uncinoides 74:322 (figs. 1-2), 323
Ungnadia speciosa 56:25; 73:388
Uniola latifolia 51:127; 70:51; laxa 54:251; nitida 75:369; paniculata 57:280-281, 284, (pl. 1220); 73:48
Unisema 75:428-429; acutifolia 75: 453; cordata 75:454; f. angustifolia 75:454; f. latifolia 75:454; deltifolia 75:452; heterophylla 75:453; var. lanceolata 75:453; var. stenocardia 75:453; lancifolia 75:462; f. trullifolia 75:454; latifolia 75:452; var. albiflora 75:453; var. elatior 75: 452; var. pallida 75:453; var. undulata 75:453; media 75:452; var. albiflora 75:452, 454; var. angustifolia 75:452; obliquata 75:452; orbiculata 75:473; peduncularis 75:453; var. parvifolia 75:453; purshiana 75: 452; rotundifolia 75:453; sagitata 75:452
Unxia camphorata 73:291-292; 74: 204-205; digyna 74:204; hirsuta 74: 205; suffruticosa 74:206
Uralepis elongata 56:28
Urceolaria exotica 67:353
Urechites 69:437; 72:30; jaegeri 72: 31; lutea 57:287; 69:435; 72:30; var. lutea 72:30-31; var. **sericea** 72:30-31; pinetorum 72:31
Urena 69:425; lobata 69:425; var. sinuata 69:375; sinuata 69:375
Urocarpidium 69:15, 21
Urococcus foslieanus 60:284; 73:284; 74:487
Uroglenopsis americana 71:452 (fig. 13), 453, 466
Urospora 72:317; collabens 71:121; 72:116, 319, 332; 74:416; mirabilis 71:153; penicilliformis 71:121; 72: 116, 319, 332; 74:416; 75:58; speciosa 72:116, 319, 332; 74:416; wormskjoldii 66:234; 72:116, 319, 332
Urostachys sintenisii 67:360
Urtica canadensis 55:295; chamaedryoides 60:298, 305; 66:312; dioica 53:22; 60:298, 304; 64:343, 345; 66: 312; 72:516; var. dioica 62:240; var. gracilis 62:240; var. procera 62: 240; gracilis 55:145; 60:298, 302; 65:91; 71:520; procera 55:145; 60: 298, 302; 75:317; sp. 71:516; urens 60:298, 304; 72:516; viridis 60:298; 302; 64:343, 345; 71:520; 72:516; 75:317
Urticaceae 55:145; 60:297; 66:12; 69: 401; 75:317
Usnea florida 60:81; hirta 60:81
Utricularia 51:12; 64:147; adpressa 73:159; biflora 58:41-43; cornuta 53:10, 160; 57:113; 68:428; 71:33; 72:525; 73:260, 541-544, 545 (figs. 1-7); fibrosa 58:41-43; 66:379; 71: 33; geminiscapa 51:10; 67:376; 72: 525; 74:136; gibba 51:12; 69:376; inflata 64:154, 159 (figs. 48-49); 72:58; 73:260; var. minor 67:197; 72:58; 73:260; intermedia 55:47, 191; 57:113; 63:45; 70:208; 73:260; juncea 67:352; 68:428; 71:33; 73: 541-544, 545 (figs. 8-9); macrorhiza 53:159; 55:191; macrorhyncha 66: 380; minor 55:47, 191; 61:276, 283 (fig. 6, map), 287; obtusa 69:376; orbiculata 73:543; purpurea 71:418 (pl. 1424), 419; 73:260; pusilla 67: 352; radiata 72:58; resupinata 75: 403; sp. 70:208; striatula 73:544; subulata 66:380; 67:351; 71:33; var. cleistogama 58:90; virgatula 66: 379; vulgaris 53:10; 55:191; 71:418 (pl. 1424), 419; 73:260
Uvularia 54:57; 65:158; sect. **Oakesiella** 65:168-169; sect. Uvularia 65:169-170; acutifolia 65:184; am-

plexicaule 65:184; amplexifolia 65: 158, 184; betua 65:184; calcarata 65:185; **caroliniana** 63:39; 64:90; 65:185; chinensis 65:186-187; cirrhosa 65:186; distorta 65:186; flava 65:178-181; floridana 65:161, 163-164, 166 (fig. 1), 167, 169, 173 (fig. 3, map); grandiflora 53:81, 87; 54:57-60, 61 ((fig. 1, map), 63-64, 66; 57:131; 65:160-165, 166 (fig. 1), 167, 170, 176, 178 (fig. 5, map), 179, 181-183, 186-187; f. latifolia 65:176; f. variegata 67:176; grandifolia 65: 186; hamiltoniana 65:186; hirta 65: 186; lanceolata 65:177, 186-187; lanuginosa 65:187; *β* major 65:187; leschenaultiana 65:187; multiflora 65:187; nitida 63:36, 39; 65:170; oppositifolia 65:187; parviflora 65: 187; perfoliata 52:260, 293; 53:81, 87; 54:57-59, 62-64, 65 (fig. 2, map), 66; 61:269; 63:38; 65:158, 160-165, 166 (fig. 1), 167-168, 170, 176, 178-179, 180 (fig. 6, map), 181-183, 186-187; *α* major 65:176; *β* major 65:178; pitsutu 65:187; puberula 63:36, 38-39; 64:90; 65:160-164, 166 (fig. 1), 167, 169, 172 (fig. 2, map), 185-187; var. nitida 63:37, 39; 65:162, 170; pudica 52:260; 63: 37-39; 64:90; 65:187; var. nitida 63:37, 39; 65:170; rosea 65:187; sessiliflora 65:187; sessilifolia 52:256; 53:81, 84; 54:58-59, 64, 65 (fig. 3, map), 66; 55:295; 63:42, 295; 65: 158, 161, 163-165, 166 (fig. 1), 167, 169, 174-175, 176 (fig. 4 map), 183-184, 187; 67:372; 72:281; sessilis 65:165, 187; smithii 65:187; umbellata 65:188; viridescens 65:188

Vaccaria 52:233; pyramidata 52:244; segetalis 52:244; vaccaria 52:244
Vacciniaceae 67:344
Vaccinium 51:367; 75:313; albiflorum 51:104; angustifolium 52:296; 55: 41, 44, 183; 62:276; 63:66; 68:189; 72:280-281; var. angustifolium 72: 523; 74:367; var. **hypolasium** 51: 104; var. laevifolium 60:68; 65:93, 273; 72:523; 75:320; var. myrtilloides 51:104; var. nigrum 71:26; 72:523; arboreum 64:134, 358; 73: 495, 504, 506; boreale 68:414 (fig. 12, map), 417; caespitosum 53:270; 54:227; 55:183; 62:276; 65:312; 68:414 (fig. 12, map), 417; canadense 51:104; 55:183; chamissonis 54:222; corymbosum 52:296; 63:66, 68, 284; 64:134; 70:291; 71:20-21, 26; 72:281; 73:495; var. albiflorum 72:523; var. atrococcum f. leucococcum 53:98; var. fuscatum 60:86; var. glabrum 54:212; ×corymbosum f. albiflorum 51:104; var. **albiflorum** 51:104; crassifolium 69:59; 70:290; elliottii 69:59; gaultherioides 62: 276; 72:443, 446, 449; macrocarpon 64:350-351; 65:93, 273; 67:373; 71: 20, 26; 72:523; 73:259; f. eburnea 64:351; microphyllum 59:292; 62: 276; 72:450; myrsinites 64:91; myrtilloides 51:104; 53:10; 55:46, 183; 63:66; 64:98; 65:23; 66:61; 72: 523; f. **chiococcum** 51:104; myrtillus 62:262; occidentale 72:454; ovalifolium 52:286; 54:222; 56:250; 68: 414 (fig. 12, map), 417; oxycoccus 55:44, 184; 58:59, 322; 65:93; 72: 523; 75:320; f. leucocarpum 64:351; var. intermedium 66:151; var. ovalifolium 65:93; 66:151; 75:320; var. oxycoccus 66:151; pensilvanicum var. myrtilloides 51:104; pubescens 72:448; salicinum 72:443, 453; stamineum 63:146; 64:134, 357-358; 73:503, 505, 508, 510, 512, 514; var. neglectum 64:358; tenellum 64:91; 66:379; 69:59; 73:495, 507, 509; uliginosum 53:270; 55:41, 51, 53, 77, 182, 295; 58:59; 59:292; 62:262; 67:380; 68:189; 71:506; 72:439, 440 (fig. 1), 441-450, 452-453, 455-456; 74:365, 367-368, 370-375; *microphyllum 72:450; f. pubescens 72: 448; subsp. **gaultherioides** 72:443, 447, 449-450, 451 (fig. 3, map), 455-456; subsp. occidentale 72:454 (fig. 6, map), 455-457; var. occidentale 72:448, 453, 454 (fig. 6, map), 455, 457; var. salicinum 72:448, 453, 454 (fig. 6, map), 455, 457; subsp. **pedris** 72:443, 447-448, 450, 452 (fig. 4, map), 455, 457; subsp. **pubescens** 72:447-448, 449 (fig. 2, map), 452, 455-456; subsp. uliginosum 72:447, 450, 452, 453 (fig. 5, map), 455; var. alpinum 51:367; 54:53; 56:249; 61:123; 62:276; 68: 412 (fig. 6, map), 415-416; 72:448; f. langeanum 72:448; var. gaultherioides 72:450; var. langeanum 72: 448; var. pedris 72:450; var. pubescens 72:448; vacillans 57:315; 69: 59; 73:495; vitis-idaea 53:60, 244-245; 55:295; 62:262; 64:341; 65: 286; 74:365. 367, 370, 374; subsp. minus 54:40; 55:251; 62:276; var. minus 55:183; 65:93; 72:523; 75: 320
Vachellia farnesiana 67:332; 69:408
Vagnera stellata 63:308
Vaillantia 52:223
Valantia 52:223-224

Valeriana capitata 65:221; pauciflora 51:118; 75:404; septentrionalis 53:7
Valerianella bushii 54:129; chenopodifolia 69:453; chenopodiifolia 69:453; intermedia 54:178; locusta 54:178; longiflora 54:129; 59:40; olitoria 54:178; 55:160; patellaria 54:179; radiata var. fernaldii 54:179
Valerianoides cayennense 67:350; jamaicense 67:350; 69:439; strigosum 67:350
Vallisneria americana 67:196; 70:171; 71:418 (pl. 1424), 419; 74:133
Valota eggersii 67:318; insularis 67:318
Valsa pulviniceps 71:194-195
Vandellia diffusa 67:351
Vanilla 53:248; barbellata 58:291; dilloniana 58:291; 67:325; eggersii 67:325
Varronia angustifolia 67:348; bahamensis 67:348; bellonis 67:348; corymbosa 67:348; 69:437; globosa 67:348; lima 67:348; lucayana 66:8; rupicola 67:348
Vasquezia **depauperata** 66:308
Vaucheria 70:274; arcassonensis 70:274, 275 (figs. 2-3), 276; 73:286; 74:484; aversa 58:124; compacta 60:283, 285 (figs. 3-8), 286-288; 70:274, 276-277; 73:240, 286; var. **koksoakensis** 60:285 (figs. 9-12), 286-288, 329; 70:275 (figs. 4-8), 276-277; 74:486; coronata 70:274; crenulata 56:42; dichotoma 60:287; f. marina 60:287; geminata 73:65; var. racemosa 58:124; intermedia 60:284; 70:274, 275 (fig. 1), 276; 73:286; 74:482, 484-485; litorea 70:274; minuta 60:284; 70:274; ornithocephala 64:57; piloboloides 70:274; var. compacta 70:277; sessilis 64:57; sp. 63:279; 72:317; 75:59-62; sphaerospora 60:283-284, 285 (figs. 1-2), 287-288; submarina 60:285 (figs. 13-17), 287-288; terrestris var. **crenulata** 56:42; thuretii 70:274; vipera 70:274
Vaucheriaceae 63:279
Velezia 52:233; rigida 52:244
Venturia rhododendri 71:201
Veratrum album subsp. oxysepalum 71:505; viride 53:9, 81, 85; 65:312
Verbascum blattaria 59:182; 67:197; f. albiflorum 55:225; var. albiflorum 51:27; nigrum 55:348; thapsus 59:182; 60:66; 71:27; 72:524; virgatum 53:270; 59:182; 60:24
Verbena 69:439; 75:400; ambrosifolia 56:207; f. eglandulosa 51:27; bipinnatifida 75:400; bonariensis 51:20, 27; 66:379; 67:349; 71:218; 72:393; brasiliensis 60:22; 71:218; canadensis 64:91; f. **candidissima** 57:316; var. candidissima 57:316; caroliniana 73:496; chamaedrifolia 69:439; ×engelmannii 60:22; hastata 72:524; ×urticifolia 60:22; 74:150; ×hybrida 60:22; plicata 52:20, 38; 56:209; rigida 60:22; scabra 57:288; stricta 55:225; f. roseiflora 61:26; tenuisecta 67:349; urticifolia 60:68
Verbenaceae 63:211; 66:14; 67:349; 69:395, 438; 71:33; 72:33; 73:48, 50; 75:420
Verbesina 69:450; 70:95-96, 99; 74:92; 75:172; sect. Lipactinia 70:95; sect. Ochractinia 70:100; sect. Pterophyton 65:238; 70:96-100; sect. Saubenetia 70:100; sect. Sonoricola 70:100; sect. Verbesinaria 70:97-100; sect. Ximenesia 70:100; alata 67:355; 69:450; alba 69:376; alternifolia 70:96, 98-102; ×aristata 70:98, 101-102; ×occidentalis 70:101; ×virginica 70:101; ×warei 70:101; aristata 70:96-102; ×alternifolia 70:101; ×occidentalis 70:97, 102; ×rothrockii 70:101; ×virginica 70:101; ×warei 70:101; callilepis 65:229, 232 (fig. 25), 237; **chapmanii** 74:100; crocata 64:267; encalioides 60:29; 67:355; 70:100-101; 72:396; ×oligocephala 70:101; ×virginica 70:101; glabrata 70:239; heterophylla 74:98-99; hypargyrea 64:267; hypomalaca 63:123 (fig. 14), 124, 128; lindenii 70:96, 100; longifolia 70:96, 98-102; ×rothrockii 70:101; occidentalis 70:96-98, 100-102; ×alternifolia 70:101; ×virginica 70:101; oligocephala 70:96, 100-101; ×encelioides 70:101; ×rothrockii 70:101; pauciflora 74:99-100; rothrockii 70:96-102; ×aristata 70:101; ×encelioides 70:101; ×longifolia 70:98, 101-102; ×occidentalis 70:101; ×warei 70:101; seatonii 64:267; serrata 63:123 (fig. 15), 128; 70:96, 100; tetraptera 65:229; virginica 70:96, 100-101; var. laciniata 57:289; ×encelioides 70:101; ×occidentalis 70:101; ×oligocephala 70:101; warei 70:96-98, 100, 102; 74:98-100; ×alternifolia 70:101; ×aristata 70:101-102; ×occidentalis 70:98, 101-102; ×rothrockii 70:101; ×virginica 70:101
Vernonia 59:23; 66:382; 68:49; 69:450; 70:229, 486; 72:145-146, 155;

75:517-518, 519 (figs. 1-2), 522-524, 525 (fig. 3), 526-527; gr. Angustifoliae 66:384, 389, 393; gr. Fasciculatae 75:522; gr. Paniculatae verae 75:518, 522; gr. Pulchellae 66:384; gr. Scaberrimae 66:384; subsect. Paniculatae verae 75:518; acaulis 66:386; 68:50; 72:145-147, 148 (fig. 1, map), 149-151, 159, 161-162; 75:519, 523, 525 (fig. 3); albicaulis 69:450; altissima 66:386, 398; 68:51; 70:486, 487 (fig. 1), 488 (fig. 2), 489-490; 71:34; 72:161; var. taeniotricha 54:213; ×angustifolia 70:487 (fig. 1); ×angustifolia var. mohrii 66:399; angustifolia 66:383, 386-389, 393-394, 395 (fig. 2), 396-397; 68:51; 70:486, 487 (fig. 1), 488 (fig. 2), 489-490; 72:146, 148-150, 161-162; 73:497; 75:519, 523-524, 525 (fig. 3); var. angustifolia 66:386, 388-389, 392 (fig. 1), 395 (fig. 2, map), 396-398; 68:51; var. **mohrii** 66:387-389, 392 (fig. 1), 395 (fig. 2, map), 396-398; 68:51; var. pumila 66:383, 394; var. scaberrima 66:383, 387-389, 392 (fig. 1), 395 (fig. 2, map), 396-399; 68:51; var. texana 66:383; ×missurica 66:395 (fig. 2, map); anthelmintica 68:51; arkansana 75:519, 523-524, 525 (fig. 3); baldwinii 68:49, 51; subsp. baldwinii 75:519, 520 (fig. 1F), 523, 525 (fig. 3), 526-527; subsp. interior 75:519, 520 (fig. 1E), 523, 525 (fig. 3), 526; var. interior f. **alba** 52:175; blodgetti 66:383, 385, 389, 391, 392 (fig. 1), 393, 395 (fig. 2, map); 68:51; 75:519, 523, 525 (fig. 3), 526; brevifolia 66:383, 397; cinerea 68:49, 51; 69:450; 73:49; cognata 70:235; colorata 68:51; concinna 66:384, 386, 389, 400; ×concinna 66:389, 393, 395 (fig. 2, map), 400; 68:51; conferta 68:51; crinita 59:119; 63:21; diffusa 70:235; dissimilis 66:384, 386, 389, 399; ×dissimilis 66:389, 393, 395 (fig. 2, map), 399; 68:51; ervendbergii 75:519, 523-524, 525 (fig. 3); fasciculata 66:383, 396; 70:486; 75:519, 522-524, 525 (fig. 3); flaccidifolia 72:152; 75:519, 522-523, 525 (fig. 3); georgiana 72:146; gigantea 75:519, 523-524, 525 (fig. 3); glabra 68:51; glauca 72:145, 147-150, 151 (fig. 2, map), 152, 159-162; 75:519, 523, 525 (fig. 3); f. longiaristata 72:147, 150, 152; graminifolia 66:383, 396; granienifolia 66:383, 396; greggii 68:51; 75:519, 523-524, 525 (fig. 3); guadalupensis 68:51; guineensis 68:51; harperi 72:147, 154-156; illinoensis 58:229; ×illinoensis 70:486; interior 68:51; karwinskiana 64:262; 68:51; kotschiana 68:51; larsenii 75:519; 522-523, 525 (fig. 3); lettermannii 75:519, 523, 525 (fig. 3); lindheimeri 68:51; 75:519, 522-523, 525 (fig. 3); marginata 68:51; 75:519, 520 (figs. 1B-1D), 522-524, 525 (fig. 3); missurica 59:23-24; 60:320; 66:386, 395 (fig. 2), 398; 70:486; 75:519, 520 (fig. 1A), 523, 525 (fig. 3), 526; f. **swinkii** 59:24; noveboracensis 52:297; 59:264; 66:379, 383, 386, 391; 68:52; 72:145-152, 153 (fig. 3, map), 155-156, 157 (fig. 4), 158 (fig. 5), 160, 162; 75:519, 523-524, 525 (fig. 3); f. albiflora 72:154; f. lilacina 72:154; var. latifolia 72:147, 150, 154; var. praealta 72:154; var. tomentosa 72:147, 150, 154; nudiflora 68:52; oligophylla 72:146, 148; ovalifolia 66:386, 398; 68:52; ×angustifolia var. mohrii 66:400; perottetii 68:52; platensis 68:52; polyanthes 70:230 (fig. 1), 235; praealta 72:146, 154; primulina 68:52; pulchella 66:383-385, 389, 392 (fig. 1), 393, 395 (fig. 2, map), 397-399; 68:52; 75:519, 523, 525 (fig. 3); ×angustifolia var. scaberrima 66:399; pumila 66:384; recurva 66:384-385, 389, 399; ×recurva 66:389, 393, 395 (fig. 2, map), 398-399; 68:52; rugeliana 72:147, 154; scaberrima 66:383-386, 389, 397; var. pulchella 66:398; schaffneri 75:519, 523-524, 525 (fig. 3); scirpoides 70:235; sericea 69:450; texana 51:20, 28; 66:383; 68:52; 73:497; 75:519, 523-524, 525 (fig. 3); tomentosa 72:147, 154; vulturina 56:25

Veronica 51:38; americana 55:189; anagallis-aquatica 75:402; f. anagallidiformis 69:455; f. anagalliformis 69:455; arvensis 55:225; 57:321; 73:340, 525; barbinervis 74:513; biloba 58:44; campylopoda 58:44; chacalana 74:513; chamaedrys 51:149; didyma 57:317, 320; filiformis 51:365; hederaefolia 69:453; 72:283; hederifolia 69:453; humifusa 55:189; longifolia 59:7, 32; officinalis 51:111; 72:525; palmeri 74:513; peregrina 51:111; 56:250; 63:45; var. peregrina 69:33; var. xalepensis 55:189; 72:525; persica 64:154, 159 (fig. 47); polita 54:129; 57:320; scutellata 55:189; 73:260; f. villosa 53:159; var. vil-

losa 55:189; serpyllifolia 52:297; 60:66; 72:525; var. borealis 56:250; tenella 55:189; 56:250; trifloscula 74:513-514
Veronicastrum virginicum 74:394
Verticillium sp. 73:308
Vesicaria arctica 54:216; argentea 62: 14; argyraea 62:14; auriculata 57: 260; brevistyla 57:262; globosa 54: 191; grandifolia 57:262; var. pinnatifida 57:262, 264; lasiocarpa 57: 244; 74:77; lescurii 54:186; shortii 54:191
Vetiveria zizanioides 67:318
Vexibia 70:521; sericea 70:523
Vexillifera 70:515; micranthera 70: 515
Vibexia 70:521; sericea 70:523
Viburnum 53:277-278; 71:554; 75: 120-121; acerifolium 54:64; affine var. "hypoleucum" 52:172; var. hypomalacum 52:172; 55:193; alnifolium 61:23; 63:66, 68; 65:23; 72: 281; bitchiuense 52:297; cassinoides 52:179-182; 53:5, 277-279; 59:122; 63:66, 68; 65:23, 94; 66:379; 67: 373; 72:281, 526; corybosum 52: 179-180, 182-183; dentatum 52:172; 54:213; 70:288-289; 71:27, 560; edule 55:193; 65:338; lantana 59: 32; 61:26; lentago 56:228; nudum 71:33; var. cassinoides 52:182; obovatum 52:179-182; opulus 57:268; var. americanum 55:194; pauciflorum 55:193; pyrifolium 52:182; rafinesquianum 55:193; recognitum 54:213, 307; 63:66; 70:288-289; 71: 561; 72:526; var. recognitum 70: 288; reticulatum 71:555; trilobum 55:194; venosum 72:340; weberbaueri 71:555, 557, 559; **wurdackii** 71:554-555, 556 (fig.), 557, 558 (pl. 1428), 559
Vicia 51:198; 70:496; acutifolia 57: 286; 60:256, 257 (figs. 1-2), 258; americana 55:170; 70:43; var. truncata 55:170; angustifolia 51:111; 64:346; 71:522; var. segetalis 72: 520; benghalensis 51:198; 58:2; cracca 55:160; 75:315; 58:247; 60: 65; 64:346; 71:522; 72:520; 75:319; dasycarpa 54:209, 213; 59:30; 62: 94; floridana 60:256, 257 (figs. 5-6), 258; gerhardi 51:198; hirsuta 53:22; littoralis 51:379; ludoviciana 62:93; **ocalensis** 60:256, 275 (figs. 3-4), 258; sativa var. angustifolia 51: 111; tetrasperma 51:111
Vigna 69:415; antillana 69:415; luteola 67:335; 69:415; peduncularis 67: 335; repens 57:279, 286; 67:335; 69:415; sinensis 57:266; unguiculata 69:415
Viguiera blakei 74:514; dentata 64: 256; grammatoglossa 64:267; hemsleyana 64:275; longifolia 64:256, 267; multiflora 64:256; 74:109; porteri 70:394; 75:408; puruana 74: 514; stenoloba 63:128
Vilfa drummondii 56:26; macra 56: 29; tenacissima var. sucicolor 52: 126; vaginiflora 68:447-448
Villanova achillaeoides 74:203; biternata 66:203; chrysanthemoides 66: 190; dissecta 66:190
Villarsia aquatica 64:90
Vinca minor 52:296; 55:225; rosea 69:434
Vincetoxicum acanthocarpus 70:37; astephanoides 62:238; sintenisii 67: 347; stephanotrichum 67:346; variifolium 67:346
Viola 51:51; 53:62, 103; 54:140; 71: 563; 72:535; 75:513; sect. Melanium 66:32, 43-44; sect. Nomimium 66: 33; sect. Plagiostigma 66:33; sect. Uncinatae 66:33; acuta 51:54; adunca 51:57; 55:175; f. glabra 51: 57; var. glabra 51:57; 53:11; 55: 175; var. **minor** 51:57; 53:12; 55: 80, 175; affinis 66:379; arvensis 66: 34-36, 38-44; 71:171; aurea 65:49; ×bernardi 63:43; bicolor 63:327, 329, 334; 66:34-37; biflora 71:506; blanda 72:522; brainerdii 75:513; brittoniana 59:264; canadensis 51: 52, 56-57, 167, (pl. 1133); 56:2, 203; 65:49; charlestonensis 65:49; cucullata 51:57; 55:174; 72:522; 75:319; f. albiflora 60:68; f. prionosepala 55: 174; var. microtitis 65:93; debilis 51:57; 55:13; eriocarpa 61:219-220; 73:553; eugeniae 66:43-44; fimbriatula 51:56; 52:296; 72:522; f. **umbelliflora** 51:56-57, (pl. 1136); floridana 54:174; hastata 51:52-53, (pl. 1133); 73:248; *β* 51:52; var. glaberrima 51:52; incognita 51:167; 55:174-175; 63:44; 67:402; var. forbesii 65:93; 72:522; var. incognita 65:93; 72:522; kitaibeliana 63: 327-329, 331-334; 66:34, 37-41, 43-44; nana 66:41; var. machadiana 63:332; var. nana 66:41; var. rafinesquii 63:327; 66:37; labradorica 51:57; lanceolata 51:53-55, 57, (pl. 1134); 66:61, 149, 379; 71: 20, 26, 33; 72:522; 73:529; var. vittata 51:54-55, 57, (pl. 1134); macloskii subsp. pallens 65:93; 71:522; melissaefolia 69:453; melissifolia 69:453; mirabilis 66:33, 44; muhlenbergiana *β* minor 51:57; nephro-

phylla 53:7; 63:43; 65:49; novae-angliae 53:8; nuttallii 65:49; odorata 66:33; pallens 51:53; 55:174; 72:522; 75:319; palmata 51:108, 111; palustris 51:53, 167; 55:46; 65:49; f. albiflora 51:53; papilionacea 54:27; 60:70; 63:43; var. albiflora 69:33; pedata 74:293; ranunculifolia 51:56; var. lineariloba 51:56; f. **cuneatiloba** 51:56-57, (pl. 1136); f. **ranunculifolia** 51:56-57, (pl. 1136); pedatifida 65:49; pensylvanica 55:225; 61:219-220; var. leiocarpa 51:167; 53:7; 55:175, 225, 275; 63:295; var. pensylvanica 66:312; primulifolia 51:53-54, 57, (pl. 1135); 71:33; f. subcordata 51:54; var. acuta 51:54, 57, (pl. 1135); 72:522; pseudogracilis 66:43-44; pubescens 61:219-220; 65:78; 73:553; var. eriocarpa 73:553; rafinesquii 63:327-334; 65:49, 273; 66:32-33, 36-44; ranunculifolia 51:56-57, (pl. 1136); renifolia 53:7; 55:46, 175; 63:295; var. brainerdii 55:175; reptabunda 51:54, 57, (pl. 1135); rothomagensis 63:43-44; rotundifolia 61:23; 63:295; rugulosa 51:52, 56-57, 167, (pl. 1133); rydbergii 51:52, 57, (pl. 1133); sarmentosa 63:43; selkirkii 53:7; 55:53, 174; 63:295; septentrionalis 65:93; 72:522; 75:319; sororia f. beckwithae 55:160; tenella 66:34, 36; tidestromii 59:166; tricolor 55:47, 175; 63:327; 66:34-42, 44; var. arvensis 66:36; triloba f. **albida** 54:256; tripartita 51:52-53; f. **glaberrima** 51:52-53, 57, (pl. 1133); glaberrima 51:52; umbraticola 65:49; viarum 63:21; vittata 51:54-55, 57, (pl. 1134); walteri 64:152, 157 (fig. 24)
Violaceae 52:296; 55:174; 63:211; 64:152; 67:341; 71:33, 514; 75:319
Viorna baldwinii 72:18
Virgilia bicolor 70:51; fimbriata 70:51; grandiflora 57:291; 58:288; 59:100; 70:51; secundiflora 70:528
Virola 70:113-122, 127-129, 136-139, 144-145, 147, 333, 335; calophylla 65:115 (fig.); 70:119, 130, 147, 148 (fig.), 150, 333; calophylloides 70:119, 130, 132, 149 (fig.), 150, 333; elongata 70:152; theiodora 70:130, 132, 133 (pl. 1373), 134-135, 140, 141 (pl. 1378), 145 (pl. 1380), 146, 150, 151 (fig.), 152, 332
Viscaria alpina 52:235; vulgaris 52:235
Viscum rubrum 65:191; terrestre 52:200
Vitaceae 52:295; 55:174; 63:211; 67:339; 69:423; 70:410, 415; 71:32; 74:415
Vitex 69:439; agnus-castus 69:439; divaricata 69:439; negundo var. intermedia 67:350; parviflora 67:359; trifolia var. subtrisecta 73:47
Vitis 52:225; 53:244; 69:423; aestivalis 51:111; 60:61, 68, 72; 72:339; var. argentifolia 51:111; arizonica 73:388; campestris 57:291; 58:286; 70:51; coignetiae 73:213; cordifolia 73:494, 503, 505, 507, 509, 511, 513; labrusca 52:295; 53:60; lincecumii 63:20; longii 56:208; munsoniana 75:393; mustangensis var. lincecumii 73:494; riparia 52:225; 58:286; 70:52; var. syrticola 57:266; rotundifolia 71:32; vinifera 69:423; 71:171; vulpina 58:286
Vittaria filifolia 66:114-115; 67:357; gardneriana 66:116; graminifolia 66:114-115; 67:357; latifolia 66:116; lineata 57:276-277, 283; moritziana 66:116; orbignyana 66:116; remota 66:116; ruiziana 66:116-117; stipitata 66:116; vittarioides 66:116
Vogelia capitata 64:88
Volkameria aculeata 67:350; 69:438
Voluntarella muricata 74:339
Volvocaceae 63:276; 67:252
Volvocales 67:251
Volvox 64:58
Volvulus japonicus var. pubescens 51:73
Vriesea 71:36, 233, 265; disticha 71:266; heliconioides 71:265-266; heterandra 71:265-266; incurva 71:265; macrostachya 67:323; maxoniana 71:265-266; sintenisii 67:323; 70:417
Vulpia myuros 53:130

Wahlbergella angustiflora 52:238; apetala 52:235; β arctica 52:235
Wahlenbergia californica 65:329; gracilis 60:25
Waldsteinia fragarioides 69:315, 317
Wallenia pendula 67:344; yunquensis 67:344
Waltheria 69:426; americana 57:279, 287; 67:340; 69:426; indica 67:340; 69:426
Warea 66:18; 75:389; amplexifolia 58:149; 66:18, 20-25; 75:389; auriculata 66:18, 22-23; carteri 66:24-25; cuneifolia 60:16; 66:20-21, 24-25; 75:389; sessilifolia 66:20-25; 75:389
Warszewiczella flabelliformis 67:327
Watsonia 75:509

Wedelia 69:450; 70:233; 75:173; brasiliensis 62:125; 64:257; calycina 69:450; filipes 64:261 (fig. 22), 267; minor 74:175; ovatifolia 74:175; parviceps 64:267; parviflora 69:450; perfoliata 74:194; pilosa 70:230 (fig. 23), 239; sp. 62:124 (fig. 6), 125; subvelutina 70:239; trilobata 66:15; 69:450
Weigelia 51:6
Weisia controversa 62:155; microstoma 62:155; viridula 53:124; 62:155
Werneria nubigena 64:272, 273 (fig. 4), 276
Westella linearis 64:57
Wigandia kunthii 63:342-344
Wikstroemia indica 64:278
Windsoria pallida 54:44
Winteraceae 70:427
Winterlia 53:232
Wissadula 69:425; amplissima 69:425; contracta 67:339
Wisteria 51:222; frutescens 64:91; sinensis 52:295
Withania 69:83; melanocystis 69:98; sordida 75:355
Wittmachia lingulata 67:323
Wolffia 70:491; columbiana 53:80, 272; 54:137, 306; 59:265; 60:318; 70:491; 73:297; 74:136; papulifera 53:24, 92; 54:306; punctata 60:318-319; 70:171, 491; 73:297; 74:136
Wolfiella floridana 53:80; 63:20
Woodsia 54:48, 164; 70:346; ×abbeae 55:81, 97; alpina 54:221; 55:53, 79, 96; 58:321, 324; 61:22; 68:411 (fig. 1, map), 416; 70:184; belli 54:221; cathcartiana 55:53, 97; glabella 54:221-222; 55:53, 79, 96; 56:244; 63:181; 68:411 (fig. 1, map), 416; 70:182, 184; ×gracilis 55:96; ilvensis 55:95-97; 57:236; 68:411 (fig. 2, map), 415-416; 70:180-182, 187-188; var. gracilis 55:96; obtusa 63:40; oregana 51:167; 56:208; 63:40; var. cathcartiana 63:40; scopulina 55:53, 80, 97; 64:210
Woodwardia areolata 57:225, 229 (fig. 32), 235, 237; 60:206; 70:176; chamissoi 57:236; virginica 51:10; 53:265; 57:225, 229 (figs. 29-31), 234-235, 237
Wulffia 75:173; baccata 62:124 (fig. 7), 125; stenoglossa 72:98
Wullschlaegelia aphylla 67:325
Wyethia 75:179

Xanthidium antilopaeum 63:279; 71:462; var. hebridarum 69:58; var. minneapoliense 63:279; var. polymazum 63:279; 64:57; 71:462
Xanthisma 62:62; texanum 56:103
Xanthium 69:450; chinense 67:354; 69:450; echinatum 54:181; 71:19-20, 28; oviforme 52:60; strumarium 67:354; 69:450
Xanthocephalum 67:182; alamani 63:158; benthamianum 63:153 (fig. 1, map), 156, 162-163; bonplandianum 63:152, 156; 67:184; centauroides 62:44; 63:152, 153 (fig. 1, map), 155-156; 67:182, 183 (pl. 1311), 184; conoideum 63:161; 74:514-515; dentatum 63:156; dracunculoides 75:404; gymnospermoides 62:47, 49 (fig. 1), 50, 52; 63:153 (fig. 1, map), 156, 158, 163; 64:264; 65:228, 230 (fig. 17), 236; humile 63:153 (fig. 1, map), 155, 157; 64:264; 67:182; linearifolium 63:153 (fig. 1, map), 154, 156-157, 163; 64:272, 274; megalocephalum 63:153 (fig. 1, map), 155, 163; sericocarpum 63:152, 153 (fig. 1, map), 155, 161; 65:228, 230 (fig. 18), 236; 74:514; suffruticosum 63:152, 156; wrightii 62:49 (fig. 1), 52; 63:153 (fig. 1, map), 154, 156, 160, 163
Xanthocoma dentata 63:156; humile 63:152, 155, 157; 67:182, 184
Xanthophyceae 71:463; 72:336, 338; 73:285-286; 74:411; 75:54, 59
Xanthophyta 72:317
Xanthoria candelaria 60:81
Xanthorrhiza simplicissima 62:111, 115
Xanthosoma nigrum 67:323; violaceum 67:323
Xanthoxalis corniculata 67:335; 69:415; 73:48
Xenophya branceaefolia 65:69
Xeromphalina kauffmanii 64:133
Xerophyllum asphodeloides 63:308; tenax 63:308
Ximenesia encelioides 60:29; 65:229, 232 (fig. 26), 238
Ximenia 71:439, 441, 443; americana 67:328; 71:443; var. americana 71:439, 440 (fig. 1), 441, 442 (fig. 2), 443; caffra 71:443; var. natalense 71:441; encelioides 67:355
Xiphocarpus 51:233; candidus 51:374; martinicensis 51:233, 374
Xolisma 66:380; apiculata 62:237; cryptogonia 62:237; elongata 62:237; longelaminata 62:237; orbiculata 62:237; pseudotinensis 62:237; rubiginosa 67:344; stahlii 67:344; urbaniana 62:237
Xylariales 71:200
Xylobium palmifolium 59:251, 288-289; pickianum 61:41

Xylophylla epiphyllanthus 67:337; 73: 49
Xylosma buxifolium 67:341; pachyphyllum 67:341; schaefferioides 67: 341; schwaneckeanum 67:341
Xylosphaera dichotoma 66:15
Xylothermia 70:531; montana 70:531; subsp. tomentosa 70:531
Xyridaceae 53:80; 64:148; 67:323; 71: 31
Xyris sect. Xyris 62:295, 299; ambigua 62:297, 298 (fig. 4), 300, 302-303, 310, 312 (fig. 22), 315 (fig. 27, map); 66:379; 71:31; arenicola 62: 304; baldwiniana 62:297, 298 (fig. 10), 300, 311, 312 (fig. 23), 313, 315 (fig. 27, map); 71:31; var. tenuifolia 62:311, 314; bayardi 72:136; brevifolia 62:297, 298 (fig. 9), 301, 307-309, 312 (fig. 24), 315 (fig. 27, map); caroliniana 51:110; 53:80, 86; 56:226; 62:316-317; 67:323; 71: 31; 72:6; 73:256; f. phyllolepis 53: 80; communis 62:316-317; congdoni 53:80, 87; curtissii 62:97, 310-311, 318; difformis 62:297, 301-302, 305, 315 (fig. 27, map), 317-318; 71:31; var. floridana 75:381; drummondii 62:296-297, 298 (fig. 8), 301, 307, 312 (fig. 25), 315 (fig. 27, map); elata 62:316-317; elliottii 62:297, 298 (fig. 11), 300, 312 (fig. 26), 315 (fig. 27, map); 64:148, 155 (fig. 2); var. stenotera 62:314; fimbriata 62:297, 298 (fig. 2), 306 (fig. 16), 315 (fig. 27, map), 316; 66:380; 71:31; 75:381-382; flabelliformis 62:297, 298 (fig. 7), 301, 306 (fig. 18), 307-309, 315 (fig. 27, map); flexuosa 62:295, 298 (fig. 1), 306 (fig. 20), 315 (fig. 27, map); 71:31; gelatinosa 56:256; iridifolia 62:297, 298 (fig. 3), 301, 303, 306 (fig. 15), 309-310, 315 (fig. 27, map); 71:31; 75:382; jupicai 62: 296, 298 (fig. 13), 306 (fig. 19), 315 (fig. 27, map), 316-318; 67:323; 75:382; longisepala 75:369, 382; montana 53:80, 88; 67:376; 71:173; 73:256; neglecta 66:380; pallescens 62:305; platylepis 62:297, 298 (fig. 6), 300, 302, 305, 306 (fig. 21), 315 (fig. 27, map); 66:380; 75:382; scabrifolia 62:296-297, 298 (fig. 5), 300, 302, 315 (fig. 27, map); serotina 62:297, 298 (fig. 12), 306 (fig. 17), 310-311, 315 (fig. 27, map), 318; **var. curtissii** 62:297, 301, 310; var. serotina 62:301; smalliana 62:297, 298 (fig. 14), 301, 309, 314, 315 (fig. 27, map), 316; 63:205; 75:382; stricta 62:302-303; tenuifolia 62: 311; torta 53:80, 87; 62:304; 64:149, 155 (fig. 3); 66:379; 72:6, 79

Youngia japonica 64:231; 75:423
Yucca aloifolia 57:281, 285; 67:313; 70:225; 71:48; angustifolia 57:293; 58:287; 70:52; filamentosa 63:309; glauca 56:208; 57:291, 293; 58:287; 70:52; gloriosa 70:52, 225; mohavensis 56:(pl. 1199); smalliana 53: 81, 88; 63:309
Yuyba dakamana 65:259; essequiboensis 65:259; gleasonii 65:259; schultesii 65:259; stahelii 65:259; trinitensis 65:259

Zaluzania coulteri 63:123 (fig. 16), 124, 128
Zamia floridana 71:441
Zannichellia palustris 68:222; var. major 54:202
Zannichelliaceae 67:317
Zanthoxylum 69:394, 417; americanum 69:458; **anadenium** 62:236; **azuense** 62:236; bifoliolatum 69: 374; 75:417; carolinianum var. fruticosum 69:481; clava-herculis 57:286; 69:482; 70:225; var. fruticosum 69:482; **domingense** 62:236; fagara 57:277, 286; 66:13; **furcyense** 62:236; **haitiense** 62:236; hirsutum 69:481-482; **lenticellosum** 62:237; **leonardi** 62:237; martinicense 69: 417; **nigrescens** 62:237; **obcordatum** 62:237; **obtriangulare** 62:237; sp. 69:417; **tetraphyllum** 62:237
Zanthyrsis 70:521-522; paniculata 70: 521, 526
Zarabellia rhomboidea 74:12, 162
Zea mays 51:8; 64:136, 338; 68:167
Zebrina leiandra 72:265; pumila 61: 137-139
Zelkova cretica 53:277
Zenobia cassinefolia 69:453; 72:56; cassinifolia 69:453; pulverulenta 72:56
Zephyranthes grandiflora 67:324; puertoricensis 67:324; pulchella 63: 215 (fig. 1), 216; **refugiensis** 63:214, 215 (fig. 1), 216; rosea 67:324
Zerna inermis 52:210
Zeugites 68:102, 234; mexicana 68: 234; var. glandulosa 68:234
Zeuxine strateumatica 53:248; 57:285
Zexmenia aurea 64:261 (fig. 23), 268; costaricensis 64:261 (fig. 24), 268; frutescens 64:257; palmeri 65:229, 238; pringlei 64:261 (fig. 25), 268; virgulata 64:261 (fig. 26), 268

Zigadenus densus 71:32; elegans 70: 210; glaberrimus 71:32; glaucus 53:11, 81
Zingiber officinalis 67:324; zingiber 67:324
Zingiberaceae 67:324; 70:412-413
Zinnia 68:215; angustifolia 63:123 (fig. 17), 128; 64:254, 265; bicolor 74:515; elegans 64:265; 74:515-516; grandiflora 56:208; leucoglossa 64:265; maritima 64:254, 260 (fig. 11), 265; 68:215; peruviana 64:265; 67:355; purpusii 68:215; tenella 64: 266; 74:515; violacea 74:515-516
Zizania aquatica 51:125-126; 52:34; 53:60; 54:290; 58:76; 60:42; 75:54, 57, 61; var. angustifolia 52:34; 53: 267; 55:126; 67:195; var. aquatica 65:76; var. interior 52:34; 53:267; interior 67:11
Zizaniopsis miliacea 55:15; 64:283-284
Zizia aptera 55:178, 238; aurea 53: 269
Ziziphus 69:423; jujuba 67:339; mauritiana 67:339; reticulata 67: 339; 69:423; rignonii 67:339; 69: 423; taylori 67:339
Zoegea 62:44
Zollernia 68:430 (fig. 1), 431
Zombia antillarum var. **gonzalezii** 62: 236
Zoochlorella 51:4; conductrix 51:4; parasitica 51:4-5
Zornia bracteata 64:90; diphylla 67: 333; gemella 67:334; reticulata 67: 333
Zostera 72:207, 211, 219, 226; 75:270, 488-489, 546, 549, 580; marina 54: 203; 71:115, 125, 134, 526-528; 72: 209, 318, 321, 325; 75:488; var. stenophylla 65:76; 72:195, 509; 75: 314
Zosteraceae 55:116; 75:314
Zuckertia 69:242
Zygadenus (see Zigadenus)
Zygnema cyanosporum 58:124; decussatum 58:124; insigne 56:42; 58: 124; 64:57; var. **confusospora** 56: 42; **novae-caesareae** 56:41-42; pectinatum 58:124; sp. 63:278
Zygnemataceae 63:278; 75:261
Zygnematales 67:252
Zygnemopsis desmidioides 63:278
Zygogonium ericetorum 56:42; 58: 124;
Zygophyllaceae 69:415, 455
Zygostigma australe 57:103
Zyzygium grande 69:375

PART II. INDEX TO AUTHORS AND TITLES

AASE, HANNAH C.
(OWNBEY, MARION and —), Allium speculae, a new species of the Allium canadense alliance from Alabama, 61:70-72.

ABBE, ERNST C.
(BUTTERS, FRED K. and —), A floristic study of Cook County, Northeastern Minnesota, 55: 21-55, 63-101, 116-154, 161-201, 3 figs., pls. 1190-1192.
Carex aenea Fernald (typical) in Cook County, Minnesota, 56: 231-232.

Abies and Cedrus intact for study and storage, A new method for maintaining the cones of, 68:516.

Abies balsamea, Variation in cone morphology of Balsam Fir, 70:83.

ABRAHAMSON, WARREN G.
(—and SOLBRIG, OTTO I.), Soil preferences and variation in flavonoid pigments in species of Aster, 72:251-263, 1 fig.

Acacia confusa Merrill, The extraordinary funiculus of, 56:229.

(Acanthaceae), A synopsis of the genus Suessenguthia, 72:119.

(Acanthaceae) in Southern Florida, Observations regarding the occurrence and relationships of Ruellia lorentziana, 68:432.

Acanthaceae, Sanchezia and related American, 66:313.

(Acanthaceae), Some observations on flowering in Ruellia, 64:200.

Acanthospermum (Compositae-Heliantheae-Melampodineae): taxonomic changes and generic affinities, The genus, 72:106.

Acetate in the herbarium, Uses of cellulose, 54:286.

Acetate plastic, Biometric and taxonomic uses of cellulose, 70:552.

Achillea in Pennsylvania, A cytotaxonomic study of the genus, 60:7.

(Acrochaetiaceae, Rhodophyta) in Northeastern United States, The morphology and systematics of the Audouinella complex, 75:529.

ADAMS, FRANKLIN S.
Winterbud production and function in Brasenia schreberi, 71: 417-433, 2 figs, pls. 1424-1426.

ADAMS, WIILLIAM PRESTON
A revision of the genus Ascyrum (Hypericaceae), 59:73-95, 25 figs.
The status of Hypericum prolificum, 61:249-251.
(— and ROBSON, NORMAN K. B.), A re-evaluation of the generic status of Ascyrum and Crookea (Guttiferae), 63:10-16.
(— and GODFREY, R. K.), Observations on the Sagittaria subulata complex, 63:247-266, 17 figs.
Studies in the Guttiferae, II. Taxonomic and distributional observations on North American taxa, 64:231-242.
Studies in the Guttiferae, III. An evaluation of some putative spontaneous garden hybrids in Hypericum sect. Myriandra, 74:276-282.

Adiantum capillus-veneris in the United States, 52:201.

Aeration on the longevity of Laminaria, The effects of forced, 54:288.

Aesculus neglecta, The status of Lindley's, 62:127.

Aesculus, Studies in the Hippocastanaceae, I. Variation within the mature fruit of, 57:37.

Aesculus, Studies in the Hippocastanaceae, IV. Hybridization in, 59:185.

Aganippea bellidiflora (Compositae-Heliantheae), The status of, 66:156.

Agropyron hybrids and the status of Agropyron pseudorepens, 64:143.

Agropyron pseudorepens, Agropyron hybrids and the status of, 64:143.

Agrostis and Convolvulus, Errors of citation in, 51:192.

AHLES, HARRY A.
(—, BELL, C. RITCHIE and RADFORD, ALBERT E.), Species new to the flora of North or South Carolina, 60:10-32.

AHMADJIAN, VERNON
The fruticose and foliose Lichens of Worcester County, Massachusetts, 60:74-86.

Alabama, Allium ampeloprasum in, 70:303.

Alabama, Allisum speculae, a new species of the Allium canadense alliance from, 61:70.

Alabama and Middle Tennessee, Some notes on the flora of the Southern States, particularly, 75:366.

Alabama, Petalostemon foliosus in, 69:383.

Alaska, A history of Tillaea aquatica (Crassulaceae) in Canada and, 56: 96.
Alaska: a new ×Elyhordeum and comments, Hybridization within the Triticeae of, 70:467.
Alaska, A new Elymus from, 58:144.
Alaska, Additions to the flora of Saint Lawrence Island, 71:502.
Alaska, An annotated list of vascular plants from Cape Sabine, 65:208.
Alaska and neighboring territories: a manual of the vascular plants, Flora of, [Review], 71:104.
Alaska, Cochlearia officinalis arctica in the vicinity of Point Barrow, 54:40.
Alaska, Contributions to the flora of Alaska No. 2. Some new entities in the flora of the Brooks Range region, 54:35.
Alaska, Juncus slwookoörum, a new species from arctic, 72:486.
Alaska, New record for the Yellow Lady's Slipper Orchid, Cypripedium calceolus L. subsp. parviflorum (Salisb.) Hult., from, 75:491.
Alaska No. 2, Some new entities in the flora of the Brooks Range region, Alaska, Contributions to the flora of, 54:35.
Alaska, Plants from the vicinity of Fairbanks, 53:156.
Alaskan species of Erigeron L. (Compositae), A new, 75:116.
Alchemilla alpina in Colorado, 52:47.
Alcohol in plant-collecting, A substitute for formaldehyde and, 52:123.
Alga from Massachusetts, A rare blue-green, 66:163.
Algae and vascular plants of the lower Merrimack River and adjacent shoreline, Benthic, 75:52.
Algae at Ipswich, Massachusetts, Benthic salt marsh. 73:262.
Algae at Ipswich, Massachusetts I. Zonation and distribution of algal species. The ecology of benthic salt-marsh, 74:475.
Algae, Flora of the Wolf Islands, Part III. The marine, 72:115.
Algae from New Jersey, Three interesting, 56:41.
Algae from selected areas in Massachusetts, A list of, 63:275.
Algae, Non-additive cultures for, 73:62.
Algae of Campobello Island, New Brunswick, Canada, A preliminary checklist of the marine, 72:313.
Algae of forty ponds under construction at Ithaca, New York, Soil, 67:242.
Algae of Kent Island, Bay of Fundy, On the marine, 74:264.
Algae of Lake Quinsigamond, A survey of the, 64:49.
Algae of Newfoundland, Contributions to the marine, 71:110.
Algae of the Chesapeake Bay region, A preliminary investigation of the benthonic marine, 71:524.
Algae of the Maritime Provinces, A catalogue of fresh-water, [Review], 53:182.
Algae of Virginia and Maryland including the Chesapeake Bay area, The marine, 75:258.
Algae III: composition, seasonal occurrence and reproductive periodicity of the marine Rhodophyceae of New Hampshire, Investigations of New England marine, 72:194.
Algae V. The algal vegetation of the Hampton-Seabrook Estuary and the open coast near Hampton, New Hampshire, Investigations of New England marine, 74:406.
Algal invaders of the northeastern fringes of the Sargasso Sea, Some, 74:295.
Algal flora of New Hampshire, Lomentaria clavellosa (Turner) Gaillon: an addition to the marine, 74:158.
Algal species, The ecology of benthic salt-marsh algae at Ipswich, Massachusetts I. Zonation and distribution of, 74:475.
Algal vegetation of the Hampton-Seabrook estuary and the open coast, near Hampton, New Hampshire, Investigations of New England Marine Algae V., The, 74:406.
Alisma gramineum in Vermont, 70: 577.
Alisma subcordatum Raf., The aquatic form of, 64:227.
Allium ampeloprasum in Alabama, 70:303.
Allium ampeloprasum in Mississippi, 69:61.
Allium canadense alliance from Alabama, Allium speculae, a new species of the, 61:70.
Allium speculae, a new species of the Allium canadense alliance from Alabama, 61:70.
Allium tricoccum Ait., var. burdickii, var. nov., 55:243.
Alnus rugosa, Introgression of Alnus serrulata and, 63:297.
Alnus serrulata and Alnus rugosa, Introgression of, 63:297.

Alpine zone of the Presidential Range, [Review], 65:337.
Alps, Flora and vegetation of the, [Review], 61:150.
Alsophila, New taxa in the genus, 69:65.
Alsophila swartziana (Cyatheaceae), The complex, 71:7.
ALSTON, A. H. G.
(— and SCHULTES, RICHARD EVANS), Studies of early specimens and reports of Ilex vomitoria, 53:273-279, pl. 1181.
Alternanthera in Virginia, 59:239.
Alyssum (Cruciferae) introduced in North America, 70:298.
Amazon, De plantis toxicariis a mundo Nova tropicale commentationes II. The vegetal ingredients of the Myristicaceous snuffs on the Northwest, 70:113.
Amazon explorations on modern phytochemical research, Some impacts of Spruce's, 70:313.
Ambrosia artemisiifolia × trifida, The hybrid Ragweed, 60:309.
(Ambrosia) in Michigan, with the description of a new intermediate taxon, Perennial Ragweeds, 60:177.
Amelanchier, A southern, 52:67.
Amelanchier from eastern Canada, A new, 59:119.
America, Arenaria rossii and some of its relatives in, 60:44.
America, Betula michauxii Spach in northeastern, 52:27.
America, Diplacrum africanum newly found in tropical, 73:159.
America,[1] Spergula morisonii in, 68: 520.
American[1] Acanthaceae, Sanchezia and related, 66:313.
American barbistyled species of Tephrosia (Leguminosae), The, 51: 193, 233, 305, 369.
American botany, Correa da Serra and, [Review], 58:45
American botany, Humboldt and, [Review], 58:191.
American botany, The coming of age of, [Review], 62:85.
American Cruciferae of Sessé and Mociño, The, 62:11.
American Cyatheaceae, Taxonomic fern notes VI — New species of, 74:441.
American farinose Primulas with comments on their taxonomy, Chromosome numbers in some, 62:31.
American forms of Stellaria alsine, Our, 52:250.
American nut trees, [Review], 71:561.
American plants, Studies of eastern, 51:43, 51, 61, 70, 93, 103.
American rain forest, Neomirandea allenii, a new epiphytic Composite of the, 74:272.
American Rorippa (Cruciferae), Notes on, 63:1.
American tree Ferns allied to Sphaeropteris horrida, The, 73:1.
American species of Helianthemum (Cistaceae), Palynological notes on, 69:184.
American species of Myriophyllum as revealed by the discovery of intergrade material between M. exalbescens Fern. and M. spicatum L. in New Jersey, The status of some, 56:213.
American Vittarioid Ferns, Taxonomic fern notes, IV. Some, 66:110.
AMES, OAKES
1874-1950. [Obituary notice], 53: 67-78, pl. 1165.
Amorpha and new forms and records from Missouri, A hybrid, 55:157.
Amorpha from Georgia, An undescribed dwarf species of, 56:261.
Amphiachyris, Greenella, Gutierrezia, Gymnosperma and Xanthocephalum (Compositae), The status of the genera Amphipappus, 62:43.
Amphipappus, Amphiachryris, Greenella, Gutierrezia, Gymnosperma and Xanthocephalum (Compositae), The status of the genera, 62:43.
Amphiprora ornata Bailey, — a second station in New England, 74: 521.
Anacardiaceae), The systematics and ecology of Poison-ivy and the Poison-oaks (Toxicodendron, 73:72, 161, 370, 465.
ANDERSON, C. E.
(— and BEAMAN, JOHN H.), Status of the genus Cymophora (Compositae), 70:241-246.
ANDRESEN, JOHN W.
A multivariate analysis of the Pinus chiapensis-monticola-strobus phylad, 68:1-24, 4 figs.
ANDREWS, A. LEROY
Bryophytes of the Mount Greylock region V., 59:25-26.
ANDREWS, H.
Two new Orchid records for Ontario, 63:175-176.
Andropogon elliottii Chapm. in Illinois, 52:45.

[1]See also entries under North America and South America, North American and South American.

Andropogon elliottii Chapm. in southern Illinois, Additional collections of, 53:128.
Andropogon pertusus in the United States, Notes on Paspalum minus and, 66:273.
Andropogon praematurus, a fungus-induced monstrosity, 58:326.
Andropogoneae, Additional evidence for five as the basic chromosome number of the, 58:135.
Angiosperm new to Michigan, Holosteum umbellatum L., an, 64:222.
Angiosperm pollen, [Review], 55:203.
Angiospermous leaves, Determination of the developmental pattern of, 67:49.
Angiosperms, Chromosome numbers of some Brazilian, 71:548.
Angiosperms of the southern United States and Mexico, Chromosome numbers for some, 64:147.
(Annonaceae), Validation of Reedrollinsia Walker, 73:461.
Anonymos and its nomenclatural survivors, The genus, 64:87.
Antennaria rosea Greene in the Lake Superior region, 54:291.
Antennarias of Minnesota, Notes on the distinction between the broad- and narrow-leaved, 60:306.
Aphanostephus (Compositae), Microchromosomes in, 66:270.
Apis mellifera (Hymenoptera: Apidae) and Tribulus cistoides (Zygophyllaceae), Interactions between, 74:117.
Appalachians, Gentiana austromontana, a new species from the Southern, 66:402.
Aquatic and wetland plants of the southwestern United States, [Review], 75:114.
Aquatic form of Alisma subcordatum Raf., The, 64:227.
Aquatic plants from New Hampshire, An interesting association of rare, 73:296.
Aquatic plants in New England, Range extensions of vascular, 74:131.
Aquatic plants. 2., Range extensions of marsh and, 53:91.
Aquatic vascular plants new for Illinois, 68:221.
Aquatics, Some morphological aids in distinguishing Nuphar microphyllum from similar, 75:65.
Aquilegia canadensis L., A spurless form of, 69:195.
Arabis perstellata, Growth habits of, 58:292.
Arabis perstellata in Tennessee, 62:242.
(Araceae), Cytogeography of Orontium aquaticum, 68:25.
Araceae, Observations on the epidermal structure and stomatal apparatus of some members of the, 62:251.
(Araceae), The geographic location of Gorgonidium, 65:68.
Aralia spinosa L. in St. Louis County, Missouri, Magnolia tripetala L. and, 71:478.
Archer method for mounting herbarium specimens, The, 57:294.
ARCHER, W. A.
New plastic aid in mounting herbarium specimens, 52:298-299.
Arctic-alpine and boreal disjuncts, Contributions to the flora of Nova Scotia VIII. Distribution of, 68:409.
Arctic-alpine and boreal disjunct species, Contributions to the flora of Nova Scotia IX. Habitat studies of, 70:176.
Arctic-alpine plants in Montana, New records of disjunct, 70:103.
Arctic dicotyledonous species: four new names or combinations. Perlustrationes plantarum arcticarum I(bis), 53:226.
Arctic species in southeastern New Brunswick, New records of, 67:92.
Arctic, Thallophytes and Bryophytes of the Canadian Eastern, [Review], 52:251.
Arctium in Illinois, 59:44.
Arenaria marcescens in the United States, Discovery of, 61:123.
Arenaria rossii and some of its relatives in America, 60:44.
Arenaria uniflora, 52:71.
Argentine Sisyrinchium, A new, 72:287.
ARGUS, GEORGE W.
Contributions to the flora of boreal Saskatchewan, 70:200-214, maps.
Arizona Flora, [Review], 54:83.
Arizona, The Cacti of, [Review], 53:94.
Arizona, Viola palustris L. in, 65:49.
Arkansas, Hedyotis rosea in, 58:331.
Arkansas, Neviusia alabamensis in, 58:187.
Arkansas, The Yellow Mandarin, a notable addition to the flora of, 74:523.
Arnica, Animadversions and other notes on, 55:55.
Arnica lanceolata, Arnica mollis and, 52:284.

Arnica lessingii (Torrey and Gray) Greene, On the application of the name, 52:281.
Arnica mollis and A. lanceolata, 52: 284.
Arnica wilsonii Rydberg and its significance, The distribution of, 54: 200.
Artemisia, New names within the section Tridentatae of, 61:82.
Artemisia tridentata complex, A third subspecies in the, 67:405.
Arthraxon hispidus (Gramineae) in the United States: taxonomic and floristic status of, 73:39.
ARTZ, LENA
Notes on four Virginia plants, 51:12.
Arundinaria gigantea, Additional notes on, 55:60.
Arundinaria gigantea in Illinois, Flowering, 54:82.
Asclepias amplexicaulis, A dark-hooded variant of, 57:336.
Asclepias syriaca var. kansana in New York State, 58:197.
Asclepias tuberosa, An alternative explanation of subspeciation in, 61: 72.
Ascyrum and Crookea (Guttiferae), A re-evaluation of the generic status of, 63:10.
Ascyrum (Hypericaceae), A revision of the genus, 59:73.
Aspens in the lower Peninsula of Michigan, Hybrid, 63:311.
Aspens of the Columbia Plateau, Indications of possible middle-Cenozoic hybridization in the, 69:70.
Aster blakei and A. nemoralis, Chromosome numbers of, 72:437.
Aster blakei (Porter) House, Chemical, cytological and genetic evidence for the hybrid origin of, 75:1.
Aster ×blakei (Porter) House, Evidence for the hybrid status of, 72: 401.
Aster brachyactis Blake new for Kansas, Aster parviceps (Burgess) Mack. & Bush and, 72:392.
Aster, Chromosome numbers in, 75: 26.
Aster coerulescens the same as A. praealtus, 51:91.
Aster crenifolius in the Northeast — which?, Aster foliaceus or, 51:96.
Aster foliaceus or A. crenifolius in the Northeast — which?, 51:96.
Aster herveyi, Synthesis of, 64:113.
(Aster missouriensis), Aster ontarionis the same as A. pantotrichus, 51:89.
Aster nemoralis, Chromosome numbers of Aster blakei and, 72:437.
Aster ontarionis, the same as A. pantotrichus (A. missouriensis), 51:89.
Aster pantotrichus (A. missouriensis), Aster ontarionis the same as, 51:89.
Aster parviceps (Burgess) Mack. & Bush and Aster brachyactis Blake new for Kansas, 72:292.
Aster praealtus, Aster coerulescens the same as, 51:91.
Aster ptarmicoides, Note on the habitat of, 59:308.
Aster puniceus var. firmus, The white form of, 51:231.
Aster shortii ssp. azureus (Lindl.), stat. nov., 55:324.
Aster, Soil preferences and variation in flavonoid pigments in species of, 72:251.
Asteraceae) in Virginia, Tussilago farfara L. (Senecioneae-, 74:403.
Asteraceae, Somatic chromosome numbers for some, 74:102.
Astereae, Studies of eastern American plants 5. Some northern, 51:93.
Asterella from Mexico, A new species of, 68:470.
Astragalus (Leguminosae) from eastern Utah, Novelties in Hermidium (Nyctaginaceae) and, 54:158.
Astragalus (Leguminosae) from Utah, An undescribed species of, 72:189.
Astragalus polaris Benth., A range extension and a new synonym for, 75:304.
Astragalus mollissimus, A new form of, 62:116.
Atlantic States, Kallstroemia in the middle, 72:397.
Atriplex patula var. hastata (L.) Gray, Variation of seed size in, 75:106.
Atriplex patula var. hastata seed dimorphism., 73:548.
Atriplex sibirica, A new weed introduction in New England, 71:580.
ATWOOD, N. DUANE
New species in the Phacelia crenulata group (Hydrophyllaceae), 74:451-468, 5 figs., 5 maps.
Audouinella complex (Acrochaetiaceae, Rhodophyta) in northeastern United States, The morphology and systematics of the, 75:529.
Audouinella complex (Rhodophyta) in the western Sargasso Sea, The, 75: 78.

Audouinella microscopica (Naeg.) Woelk. complex (Rhodophyta), Studies on the, 74:85.
AUSTIN, DANIEL F.
Interactions between Apis mellifera (Hymenoptera: Apidae) and Tribulus cistoides (Zygophyllaceae), 74:117-123, 8 figs.
Authors' citations in plant names, On, 58:88.
AUYANG, TANG SHIH-CHEN
A survey of the algae of Lake Quinsigamond, 64:49-59.
AVERETT, JOHN E.
Biosystematic study of Chamaesaracha (Solanaceae), 75:325-365, 13 figs.
AVERS, CHARLOTTE J.
Aster shortii ssp. azureus (Lindl.), stat. nov. 55:324.
Avicennia germinans, Salt concentrations in ground waters beneath Rhizophora mangle and, 75:102.
BACHMAN, JOHN
[—and the Happoldt European Journal], 64:92.
BAHADUR, BIR
Pollen dimorphism in heterostyled Oldenlandia umbellata, 66:56-60, 6 figs.
Bahama flora since Britton and Millspaugh — I., Additions to the, 75: 411.
Bahama Islands, Additions to the flora of the, 73:46.
Bahama Islands, Additions to the flora of the Bimini Island Group, 69:60.
Bahamas, Additions to the flora of Inagua, The, 66:6.
Bahia (Compositae), A systematic study of the genus, 66:67, 177, 281.
BAKER, H. G.
Heterostyly and homostyly in Lithospermum canescens (Boraginaceae), 63:229-235.
Balanophoraceae in the Caribbean flora, The, 61:79.
BALDWIN, HENRY L.
An unusual station for eastern White Pine, 51:393-394.
Further notes on Chamaecyparis thyoides in New Hampshire, 63:281-285.
Further notes on Chamaecyparis thyoides in New Hampshire, 67:409-411.
A "pillar"-type Black Spruce, 70:562-564, pl. 1402.
BALDWIN, J. T., JR.
Polyploidy in Passiflora lutea, 51:29.
Mistletoe on Persimmon, 51:105-106.
Helenium curtisii in Virginia, 51: 303-304.
(—, SPEESE, BERNICE M. and MIKULA, BERNARD), Chromosomes of Trillium pusillum Michx., var. virginianum Fernald, 51:368, 1 fig.
(— and SPEESE, BERNICE M.), Penthorum: its chromosomes, 53:89-91.
Chrososomes of Spiraea and of certain other genera of Rosaceae, 53:203-206.
Monotropsis lehmaniae not a real species, 59:259-262.
A seventeenth century record for Stewartia, 71:434-438, 2 figs.
White phase in flower development in Cypripedium acaule, 72:142-143, 1 fig.
BALL, C. R.
Willow hybrids: Salix hebecarpa Fernald and S. simulans Fernald, 52:8-18.
Ballota nigra in the eastern United States, Varieties of, 68:93.
Balsam Fir, Abies balsamea, Variation in cone morphology of, 70:83.
BAMBERG, S. A.
(— and PEMBLE, R. H.), New records of disjunct arctic-alpine plants in Montana, 70:103-112.
Bamboo rhizome anatomy, A new feature in, 65:134.
BANKS, DONALD J.
Paspalum fimbriatum in the United States, 64:85-86.
Notes on Paspalum minus and Andropogon pertusus in the United States, 66:273-274.
Chromosome counts for Paspalum, 66:368-370, 5 figs.
Paspalum minus (Gramineae) in Louisiana and Mississippi, 68: 94-96, 1 fig.
BARANOV, A. L.
On the perianth and seed characteristics of Chenopodium hybridum and C. gigantospermum, 66:168-171, 4 figs.
BARBOUR, MICHAEL G.
(— and RODMAN, JAMES E.), Saga of the West Coast Sea-Rockets: Cakile edentula ssp. californica and C. **maritima**, 72:370-386.

BARKER, WILLIAM T.
Vascular plants new to North Dakota, 73:58-59.
BARKLEY, T. M.
The intergradation of Senecio plattensis and Senecio pauperculus in Wisconsin, 65:65-67.
(KOWAL, ROBERT R. and —), Senecio anonymus Wood, an earlier name for Senecio smallii Britton, 75:211-219, 1 fig.
BARNEBY, R. C.
New phanerogams from the arid Neotropics, 72:66-71.
A range extension and a new synonym for Astragalus polaris Benth., 75:304-305.
BARNES, BURTON V.
Hybrid Aspens in the lower Peninsula of Michigan, 63:311-324, 6 figs.
Indications of possible mid-Cenozoic hybridization in the Aspens of the Columbia Plateau, 69:70-81, 1 fig.
BARR, MARGARET E.
(BIGELOW, HOWARD E. and —), Contribution to the Fungus flora of northeastern North America, 62:186-198, 6 figs., pl. 1253.
(BIGELOW, HOWARD E. and —), Contribution to the Fungus flora of northeastern North America. II., 64:126-137, 5 figs., pls. 1268-1269.
(BIGELOW, HOWARD E. and —), Contribution to the Fungus flora of northeastern North America. III., 65:289-309, 13 figs., pls. 1289-1292.
(BIGELOW, HOWARD E. and —), Contribution to the Fungus flora of northeastern North America. IV., 68:175-191, 8 figs., pls. 1331-1333.
(BIGELOW, HOWARD E. and —), Contribution to the Fungus flora of northeastern North America. V., 71:177-203, 14 figs., pls. 1406-1412.
Bartholomew's Cobble, [Review], 60:32.
BARTLETT, HARLEY HARRIS
Fernald as a reviser of Gray's Manual, 53:44-55, 1 fig.
Regression of ×Quercus deamii toward Quercus macrocarpa and Quercus muhlenbergii, 53:249-264, pls. 1176-1180.
Bartonia and Obolaria (Gentianaceae), A revision of, 61:43.
Basicladia in Maine, 51:232.
BASKIN, CAROL C.
(BASKIN, JERRY M. and —), The past and present geographical distribution of Petalostemon foliosus and notes on its ecology, 75:132-140, 1 fig.
BASKIN, JERRY M.
(— and CAUDLE, CAROL), Petalostemon foliosus in Alabama, 69:383-384.
(— and BASKIN, CAROL C.), The past and present geographical distribution of Petalostemon foliosus and notes on its ecology, 75:132-140, 1 fig.
BATES, DAVID M.
A reconsideration of Sidopsis Rydberg and notes on Malvastrum A. Gray (Malvaceae), 69:9-28.
Bauhinia coulteri from Tamaulipas, Mexico, A white flowered form of, 70:286.
Bay of Fundy, On the marine algae of Kent Island, 74:264.
BEALS, T. E.
(WAGNER, WARREN H. JR. and —), Perennial Ragweeds (Ambrosia) in Michigan, with the description of a new intermediate taxon, 60:177-204, 4 figs., pl. 1234.
BEAMAN, JOHN H.
(— and SCHULTES, RICHARD EVANS), Notes on Orchids from LaBayamesa, Cuba, 59:245-251, 2 figs.
A modern style in floristic studies, [Review], 61:125-126.
Vascular plants of the Cinder Cone of Paricutin Volcano in 1958, 62:175-186, 1 fig.
(TURNER, BILLIE L., — and ROCK, HOWARD F. L.), Chromosome numbers in the Compositae V. Mexican and Guatemalan species, 63:121-129, 25 figs.
Vascular plants of the Cinder Cone of Paricutin Volcano in 1960, 63:340-344.
(— and TURNER, BILLIE L.), Chromosome numbers in Mexican and Guatemalan Compositae, 64:271-276, 4 figs.
(TORRES, ANDREW M. and —), The status of Aganippea bellidiflora (Compositae-Heliantheae), 66:156-159.

(— and DeJong, D. C. D.), A new species of Lagenophora (Compositae) from Guatemala, 67:36-41, pl. 1309.
(Seidenschur, C. E. and —), Cuchumatanea, a new genus of the Compositae (Heliantheae), 68:139-146, 11 figs.
(Anderson, C. E. and —), Status of the genus Cymophora (Compositae), 70:241-246.
(Grashoff, J. L. and —), Studies in Eupatorium (Compositae) I. Revision of Eupatorium bellidifolium and allied species, 71: 566-576, pl. 1429.
(Grasshoff, J. L. and —), Studies in Eupatorium (Compositae) II. A new species of Eupatorium (section Hebeclinum), 71:577-579, pl. 1430.

Bean, Ralph C.
The eighth edition of Gray's Manual of Botany, [Review], 52:226-228.
(—, Knowlton, Clarence H. and Hill, A. F.), Tenth report of the Committee on plant distribution, 53:79-89.
(Harris, Stuart K. and —), Wolffia columbiana in Methuen, Massachusetts, 53:272.
Further light on Aaron Young Jr.'s Flora of Maine, 55:293-296.
Two unusual plants in Essex County, Massachusetts, 55:348.
Clarence Hinckley Knowlton, 58: 157-160.
(—, Knowlton, Clarence Hinckley and Hill, A. F.), Eleventh report of the Committee on plant distribution, 58:125-134.
(—, Hill, A. F. and Eaton, Richard J.), Twelfth report of the Committee on plant distribution, 60:297-305.
(—, Hill, A. F. and Eaton, Richard J.), Thirteenth report of the Committee on plant distribution, 62:108-116.
(—, Hill, A. F. and Eaton, Richard J.), Fourteenth report of the Committee on plant distribution, 63:47-55.
(—, Hill, A. F. and Eaton, Richard J.), Corrections in reports of the Committee on plant distribution, 63:348.
(—, Hill, A. F. and Eaton, Richard J.), Fifteenth report of the Committee on plant distribution, 64:168-179.
(—, Hill, A. F. and Eaton, Richard J.), Sixteenth report of the Committee on plant distribution, 65:26-34.
Arthur Stanley Pease, 66:3-5, pl. 1293.
(—, Hill, A. F., Eaton, Richard J. and Harris, Stuart Kimball), Seventeenth report of the Committee on plant distribution, 69:306-318.
(—, Hill, A. F., Eaton, Richard J. and Harris, Stuart Kimball), A correction in the sixteenth report of the Committee on plant distribution, 69:318.
Stuart Kimball Harris, 72:126-129, photo.

Beardsley, Richard L.
(— and Browne, Edward T., Jr.), Lathyrus aphaca L. new to Tennessee and the Southeast, 74:155.

Beaudry, J. R.
Solidago rupestris and S. canadensis, 66:404-405, 1 fig.
Beech-drops, A color-form of, 54:140.

Beetle, Alan A.
New names for Wyoming Wheatgrasses, 54:195-196.
New names within the section Tridentatae of Artemisia, 61: 82-85.
A new name in Deyeuxia, 66:277.
(— and Young, Alvin), A third subspecies in the Artemisia tridentata complex, 67:405-406.
Another note on Sagebrush taxonomy, 70:286.

Bell, C. Ritchie
(Ahles, Harry E., — and Radford, Albert E.), Species new to the flora of North or South Carolina, 60:10-32.

Bent, Forrest C.
Chromosome studies in Habenaria, 71:541-543.

Bernard, Frère Jean-Paul
(Löve, Doris and —), Rumex stenophyllus in North America, 60:54-57, 1 fig.

Berry, Wendell H., Jr.
Range extension of Muhlenbergia sobolifera in New Hampshire, 70:452.
Betula lenta var. uber Ashe, 56:129.
Betula michauxii, a brief symposium, Introductory note:, 52:25.

Betula michauxii Spach in northeastern America, 52:27.
Betula michauxii, The type of, 52:32.
Bibliography, An indispensable, [Review], 51:365.
Bidens cernua, Notes on varieties of Bidens connata and a hybrid with, 67:59.
Bidens connata and a hybrid with B. cernua, Notes on varieties of, 67:59.
Bidens connata var. gracilipes Fern. in western Michigan, 63:145.
Bidens connata vars. pinnata and gracilipes, Further notes on the distribution of, 64:23.
BIGELOW, HOWARD E.
Interesting Fungi from Massachusetts, 61:127-136, pls. 1249-1250.
(— and BARR, MARGARET E.), Contribution to the Fungus flora of northeastern North America, 62:186-198, 6 figs., pl. 1253.
(— and BARR, MARGARET E.), Contribution to the Fungus flora of northeastern North America II., 64:126-137, 5 figs., pls. 1268-1269.
(— and BARR, MARGARET E.), Contribution to the Fungus flora of northeastern North America III., 65:289-309, 13 figs., pls. 1289-1292.
(— and BARR, MARGARET E.), Contribution to the Fungus flora of northeastern North America IV., 68:175-191, 8 figs., pls. 1331-1333.
(— and BARR, MARGARET E.), Contribution to the Fungus flora of northeastern North America V., 71:177-203, 14 figs., pls. 1406-1412.
Bishop's Weed in the New World Tropics: range extensions for Ptilimnium capillaceum (Umbelliferae), Mock, 72:393.
Black Spruce, A "pillar" type, 70:562.
BLACKWELL, WILL H., JR.
The combination Peltandra virginica (L.) Schott & Endlicher, 74:516-518.
Blackberries, old and new, Studies of eastern American plants 1., 51:43.
BLAKE, SIDNEY FAY
Scamman's Ferns and Fern allies of New Hampshire, [Review], 52:228.
Tussilago farfara in Maryland, 53:93-94.
A white form of Trilisa paniculata, 53:114.
Erroneous record of Borrichia frutescens from District of Columbia, 53:206-207.
Correll's Native Orchids of North America north of Mexico, [Review], 53:247-248.
Wolffia papulifera in Texas, 54:306-307.
Erroneous record of Diplotaxis erucoides from western United States, 55:291-292.
A Fern flora of Maryland, Delaware, and the District of Columbia, [Review], 56:62-64.
A popular flora of central Colorado, [Review], 56:103-104.
Froelichia gracillis in Maryland, 58:35-38.
The identity of Calyptocarpus blepharolepis, 58:275-278.
Review of the genus Cladonia in the District of Columbia and vicinity, 59:56-61.
(DAYTON, WILLIAM A. and —), Ivar Tidestrom 1864-1956, 59:161-168, pl. 1229.
A new Cruciferous weed, Calepina irregularis, in Virginia, 59:278-280.
[—, 1892-1959], [Biographical sketch], 62:325-338, photo.
Blessed Thistle in Virginia, The, 62:233.
BLOMQUIST, H. L.
(FOX, WILLIAM B., GODFREY, R. K. and —), Notes on distribution of North Carolina plants — II, 52:253-271.
(FOX, WILLIAM B., GODFREY, R. K. and —), Notes on distribution of North Carolina plants — III, 54:165-182.
BLUM, JOHN L.
(— and WILCE, ROBERT T.), Description, distribution and ecology of three species of Vaucheria previously unknown from North America, 60:283-288, 17 figs.
(— and WILCE, ROBERT T.), The type of Vaucheria compacta var. koksoakensis, 60:329.
BLUNT, TERRY
(FOSBERG, F. R. and —), Vernon Black Gum Swamp [Vermont], 72:280-282.

BOGLE, ALFRED L.
Evidence for the hybrid origin of Petasites warrenii and P. vitifolius, 70:533-551, 4 figs.
BOIVIN, BERNARD
The distribution of Arnica willsonii Rydberg and its significance, 54:200-205.
Animadversions and other notes on Arnica, 55:55-57.
Two new variations in Trillium, 55:101-102.
Additions to the flora of the Erie Archipelago (Ontario), 55:224-226.
(— and CODY, W. J.), The variations of Lilium canadense Linnaeus, 58:14-20.
Connecting vowels in epithets of Latin origin, 69:451-455.
Bolivia III — Cyperaceae, Part I, Studies in the flora of, 67:97.
Bolivia IV. Gramineae, Studies in the flora of, 68:97, 223, 241.
Bolivia, The Bromeliaceae of, 71:35, 220.
BOOTH, W. E.
(— and STENTZ, JANET), Montana plant-distribution records, 52:52-53.
(— and WRIGHT, J. C.), Montana plant distribution records, 55:236-238.
(Boraginaceae), Heterostyly and homostyly in Lithospermum canescens, 63:229.
Borrichia frutescens from Chesapeake Bay, 55:58-59.
Borrichia frutescens from District of Columbia, Erroneous record of, 53:206.
Botrychium dissectum, Roots and the taxonomic differences between Botrychium oneidense and, 63:164.
Botrychium oneidense and B. dissectum, Roots and the taxonomic differences between, 63:164.
BOUFFORD, DAVID E.
New or noteworthy New Hampshire plants, 75:158-161.
Bowdoin College, The Parker Cleaveland herbarium of, 74:80.
BOWLER, PETER A.
(— and RUNDEL, PHILLIP W.), The status of Ramalina subampliata (Nyl.) Fink in North America, 75:306-310, 1 fig.
BOWLEY, DONOVAN R.
The environment of Schistostega pennati (Hedw.) Hook. & Tayl.: new Vermont stations, 75:149-153.
BOZEMAN, JOHN R.
(— and LOGUE, JOHN F.), A range extension for Hudsonia ericoides in the southeastern United States, 70:289-292.
BRADLEY, LEONARD J.
Cyperus brevifolius in Fairfield County, Connecticut, 51:119-120.
Brasenia schreberi, Winterbud production and function in, 71:417.
Brassica kaber (DC.) Wheeler, var. stricta (Celakovsky) Shinners, comb. nov., 52:127.
BRAUN, E. LUCY
Variation in Polemonium reptans, 58:103-115, 5 figs.
Growth habits of Arabis perstellata, 58:292-295, 9 figs.
Dentaria laciniata from seed, 59:267-269.
Micheliella verticillata in Ohio, 66:275-277.
[A model flora of Ohio — "The monocotyledoneae"], [Review of], 71:562-564.
Braya in Colorado, 55:109.
Brazilian Angiosperms, Chromosome numbers of some, 71:548.
Brazilian Compositae, Additional chromosome numbers in, 72:94.
Brazilian Compositae, Chromosome numbers in some, 70:228.
Brazilian Compositae, Chromosome numbers in the Compositae. II. Meiotic counts for fourteen species of, 62:122.
Brazilian Leguminosae, Chromosome numbers of some, 63:16.
Breweria pickeringii in Illinois, 56:274.
Breweria, Some identities in, 51:35.
Brickellia, Chromosome studies in Kuhniinae (Eupatorieae) I., 55:253, 269, 297, 328.
Brickellias, Some rarely collected Mexican, 54:229.
BRIGGS, WINSLOW R.
Some plants of Mount McKinley National Park, McGonagall Mountain area, 55:245-252.
British floras ancient and modern, 55:209.
Britton and Brown illustrated Flora, A companion volume to the new, [Review], 65:242.
Britton and Millspaugh — I., Additions to the Bahama flora since, 75:411.

Britton and Wilson's Flora of Porto Rico and the Virgin Islands, Nomenclatural changes and additions to, 67:315.
BRITTON, DONALD M.
Dryopteris dilatata (Hoffm.) A. Gray in North America, 64: 207-212.
(TRYON, ROLLA M. and —), A study of variation in the cytotypes of Dryopteris spinulosa, 68:59-92, pls. 1320-1327.
Diploid Dryopteris dilatata from Quebec, 69:1-4.
The spores of four species of Spinulose Wood-Ferns (Dryopteris) in eastern North America, 70:340-347, 4 figs.
BRIZICKY, GEORGE K.
Dates of publication of Gärtner's De Fructibus et Seminibus Plantarum, 62:81-84.
Bromeliaceae of Bolivia, 71:35, 220.
Bromus mollis and allies in New England, 68:168.
Bromus, Nomenclatural changes in, 52:209.
Bromus pubescens and Ribes hirtellum), A Linden (Tilia) forest on Cape Cod (with extended notes on Tilia neglecta, 72:339.
BROOME, C. ROSE
(LONG, ROBERT W., LAKELA, OLGA, and —), Some preliminary statistics of the flora of southern Florida, 71:495-501.
BROWER, A. E.
Helleborine (Epipactis helleborine) in Maine, 62:142-143.
BROWN, CLAUD L.
(DUNCAN, WILBUR H. and —), Connate anthers in Gentiana (Gentianaceae), 56:133-136, pl. 1203.
BROWNE, EDWARD T., JR.
Some new or otherwise interesting report of Liliaceae from the Southeastern States, 63: 304-311.
(BEARDSLEY, RICHARD L. and —), Lathyrus aphaca L. new to Tennessee and the Southeast, 74:155.
BROWNE, ELIZABETH M.
(— and BROWNE, E. T. JR.), Flowering plants new to or rare in Kentucky, 67:180-181.
BROWNE, E. T., JR.
(BROWNE, ELIZABETH M. and —), Flowering plants new to or rare in Kentucky, 67:180-181.
Bruce Peninsula, A natural hybrid of Polystichum lonchitis and P. acrostichoides from the, 56:1.
BRUMMITT, R. K.
Relationship of Heracleum lanatum Michx. of North America to H. sphondylium of Europe, 73:578-584.
BRYAN, CHARLES S.
Goodyera tesselata in Rhode Island, 52:279-280.
Bryoflora of Mt. Katahdin, Maine, Further additions to the, 72:493.
Bryophyte flora, A new, [Review], 60:176.
Bryophyte flora of Keweenaw County, Michigan, Additions to the, 64:121.
Bryophytes in the headwaters of a New Hampshire stream, Zonation of, 72:276.
Bryophytes of the Mount Greylock region V., 59:25.
Bryophytes of the Canadian Eastern Arctic, Thallophytes and, [Review], 52:251.
Bryophytes of Virginia, III. Collections made in southeastern Virginia by Bayard Long, 53:117.
Buchloë dactyloides in Illinois, 60: 259.
Buckeyes, Studies in the Hippocastanaceae III. A hybrid swarm in the, 59:45.
Buellia from the West Indies, An additional species of the Lichen genus, 57:323.
BUKER, W. E.
Putty-root and Lesser Celandine in western Pennsylvania, 56: 23-24.
Bumelia lacuum Small, The identity of, 65:280.
Bunias erucago in Virginia, 62:293.
Bur Clovers (Medicago) found wild in the United States, Authorship and nomenclature of, 58:1.
BURCH, DEREK
Two species of Chamaesyce (Euphorbiaceae) new to the United States, 67:185-186.
The application of the Linnaean names of some New World species of Euphorbia, subgenus Chamaesyce, 68:155-166.
BURK, C. JOHN
Environmental variation in Heterotheca subaxillaris, 63:243-246.
(— and NAH, CHUNG-HIE), Environmental control of a taxonomic character separating

Heterotheca s.str. from Chrysopsis, 68:406-408.
A floristic comparison of lower Cape Cod, Massachusetts and the North Carolina Outer Banks, 70:215-227.
BURNS, RICHARD L.
(DAVIS, EDWARD L. and —), The use of vapor fractometry in the analysis of some New England Hops, 64:243-251.
Butomus umbellatus in the Great Lakes region, Further distribution of, 51:385.
BUTTERS, FRED K.
(— and ABBE, ERNST C.), A floristic study of Cook County, northeastern Minnesota, 55:21-55, 63-101, 116-154, 161-201, 3 figs., pls. 1190-1192.
Cabomba caroliniana grows in Worcester County, Massachusetts, 60:321.
Cabomba caroliniana in Essex County, Massachusetts, 60:116.
Cabomba caroliniana in Rockingham County, New Hampshire, 61:248.
Cacalia atriplicifolia and C. muhlenbergii, Natural and artificial hybrids of, 67:55.
Cacalia muhlenbergii, Natural and artificial hybrids of Cacalia atriplicifolia and, 67:55.
Cacti of Arizona, The, [Review], 53:94.
CAIN, S. A.
Frog Spit and Pond Scum, [Review], 53:292.
Cakile edentula ssp. californica and C. maritima, Saga of the West Coast Sea-Rockets:, 72:370.
Cakile maritima, Saga of the West Coast Sea-Rockets: Cakile edentula ssp. californica and, 72:370.
Calamagrostis insperata in Missouri, 56:43.
Calamintha, A note on the name, 57:73.
Calamovilfa (Gramineae) from North America, A new species of, 72:72.
CALDER, JAMES A.
Notes on the genus Carex I: a new species of Carex from western Canada, 54:246-250, 1 fig.
(MULLIGAN, GERALD A. and —), The genus Subularia (Cruciferae), 66:127-135, 2 figs., pl. 1295.
CALDWELL, JOHN J.
(HABEEB, HERBERT and —), Zoochlorella conductrix occurring in New Brunswick symbiotically with Ophrydium, 51:4-5, 1 fig.
Calepina irregularis in Virginia, A new Cruciferous weed, 59:278.
CALHOUN, KEN
(REYNOLDS, DON R. and —), Equisetum from Peninsula Florida, 74:526-528.
California, A new manual for, [Review], 61:270.
CALLEN, E. D.
Studies in the genus Euphrasia L. — III., 54:145-156.
Calliandra biflora, a new species of Leguminosae (Mimosoideae) from southern Texas, 56:132.
Callicarpa americana in Missouri, The discovery and destruction of, 55:238.
Callirhoë (Malvaceae), Some chromosome numbers in the genus, 58:100.
Callitriche in the New World, 53:137, 161, 185, 209.
Calochortus venustulus (Liliaceae), Variation within, 74:350.
Calycera balsamitaefolia in the United States, 57:72.
Calypso in New Hampshire, 62:141.
Calyptocarpus blepharolepis, The identity of, 58:275.
Camassia angusta, Notes on Papaver dubium and, 66:16.
Campanula native or commonly naturalized in North America, A checklist and key to the species of, 65:319.
Campanula rentonae, sp. nov., 51:302.
Campanular persistence, 63:29.
Camperdown Elm, The propagation of the, 54:55.
Canada, A new Crucifer from the Great Slave Lake area of, 64:324.
Canada, A new Amelanchier of eastern, 59:119.
Canada, A preliminary checklist of the marine algae of Campobello Island, New Brunswick, 72:313.
Canada and Alaska, A history of Tillaea aquatica (Crassulaceae) in, 56:96.
Canada and the United States, Distribution of native and introduced Knapweeds (Centaurea in), 74:331.
Canada, Chrysopsis falcata adventive in, 54:308.
Canada, Iris brevicaulis in, 56:80.

Canada, Notes on the genus Carex I: a new species of Carex from western, 54:246.
Canada's centenarian botanist, 54:194.
Canadian Eastern Arctic, Thallophytes and Bryophytes of the, [Review], 52:251.
Canadian Lakehead, Rubus chamaemorus in the, 58:327.
Candolleodendron, a new genus of the Leguminosae (Caesalpinioideae), 68:429.
Cape Breton Island, Species newly or rarely reported from Nova Scotia and, 53:264.
Cape Cod and Martha's Vineyard, Crooked Oaks on, 57:132.
Cape Cod, Glaucium flavum Crantz from, 71:540.
Cape Cod: plant notes, Western, 72:1.
Cape Cod (with extended notes on Tilia neglecta, Bromus pubescens and Ribes hirtellum), A Linden (Tilia) forest on, 72:339.
Cape Cod species of Carex with notes on the history of the perigynium and rachilla, The rachilla in, 74:321.
Capparidaceae I. Polanisia dodecandra (L.) DC., the correct name for Polanisia graveolens Rafinesque, Studies in the, 56:65.
Capparidaceae VIII. Polanisia dodecandra (L.) DC., Studies in the, 68:41.
(Caprifoliaceae), Tribal classification of Triosteum, 75:120.
Cardamine digitata Richardson (Cruciferae), 54:260.
Cardamine douglassii Britt. (Cruciferae), Thlaspi tuberosum Nutt., a taxonomic synonym of, 69:460.
Carex I: a new species of Carex from western Canada, Notes on the genus, 54:246.
Carex aenea Fernald (typical) in Cook County, Minnesota, 56:231.
Carex by hybridization, The ecology of the natural origin of a species of, 58:51.
×Carex deamii in Missouri, 60:174.
Carex fissa (§ Multiflorae), An eastern variety of, 67:198.
Carex from western Canada, Notes on the genus Carex I. A new species of, 54:246.
Carex incomperta Bickn., The status of, 67:361.
Carex intumescens var. fernaldii, A defense of, 73:51.
Carex longii and C. vexans, Vegetative reproduction in, 62:339.
Carex molesta in Massachusetts, 59:33.
Carex, Notes on a new hybrid, 58:318.
Carex picta, Two new stations for, 60:175.
Carex projecta, Additional notes on vegetative reproduction in Carex tribuloides and, 61:294.
Carex records, New Illinois, 60:115.
Carex (section Phyllostachyae) from Oklahoma, A new species of, 56:21.
Carex tribuloides and C. projecta, Additional notes on vegetative reproduction in, 61:294.
Carex vexans, Vegetative reproduction in Carex longii and, 62:338.
Carex with notes on the history of the perigynium and rachilla, The rachilla in Cape Cod species of, 74:321.
Caribbean flora, The Balanophoraceae in the, 61:79.
Caribbean Melanthera (Compositae), A revision of North American and, 75:169.
Carices from southeastern United States, Two new, 57:156.
Carices, Notes on Rocky Mountain, 70:419.
Carices of Virginia, Phytogeography of the, 75:248.
Carlina vulgaris in the Cayuga Quadrangle, 42-43° N., 76-77° W., 51:33.
Carolina flora, Infraspecific classification in the, 72:51.
Carolinas, Striga asiatica and Chrysoma pauciflosculosa in the, 60:289.
Carphephorus and Trilisa (Compositae), Generic considerations concerning, 70:474.
Carphephorus, Trilisa and Litrisa (Compositae), Generic considerations concerning, 60:117.
Cartography, A milestone in botanical, [Review], 61:28.
Carya glabra and C. ovalis, A key to the Hickories north of Virginia with notes on the two Pignuts, 52:188.
Carya glabra in Durham, New Hampshire and vicinity, Carya ovalis and, 51:150.
Carya ovalis, A key to the Hickories north of Virginia with notes on the two Pignuts, Carya glabra and, 52:188.
Carya ovalis and Carya glabra in Durham, New Hampshire and vicinity, 51:150.

Caryophyllaceae — IV. A synopsis of the North American species of the subfamily Silenoideae, Studies in the, 52:233.
(Caryophyllaceae) in North America, Occurrence of species of Polycarpaea Lam., 64:179.
CASE, FREDERICK W., JR.
Some Michigan records for Sarracenia purpurea forma heterophylla, 58:203.
CASPER, S. JOST
On Pinguicula macroceras Link in North America, 64:212-221, 4 figs.
CATLING, P. M.
(CRUISE, J. E. and —), A white-flowered form of Iris lacustris from Ontario, 74:271.
CAUDLE, CAROL
(BASKIN, JERRY M. and —), Petalostemon foliosus in Alabama, 69:383-384.
Caution regarding certain collections, Need for, 52:175.
Cayuga quadrangle, 42-43° N., 76-77° W., Carlina vulgaris in the, 51:33.
Cedrela oaxacensis C. DC. & Rose, Redefinition of, 74:124.
Cedrus intact for study and storage, A new method for maintaining the cones of Abies and, 56:516.
Celandine in western Pennsylvania, Putty-root and Lesser, 56:23.
Celandine Poppy, The perisistence of the double-flowered form of, 69:179.
CELARIER, ROBERT P.
Additional evidence for five as the basic chromosome number of the Andropogoneae, 58:135-143, 11 figs.
(— and MEHRA, K. L.), Determination of polyploidy from herbarium specimens, 60:89-97, 8 figs.
(FARUQI, SHAMIM A., — and MEHRA, K. L.), The taxonomy of Setcreasea ovata, 64:68-73, 6 figs.
(FARUQI, SHAMIN A., MEHRA, K. L. and —), A new species of Setcreasea from Mexico, 64:329-331.
Cellulose acetate in the herbarium, Uses of, 54:286.
Cellulose acetate plastic, Biometric and taxonomic uses of, 70:552.
(Centaurea) in Canada and the United States, Distribution of native and introduced Knapweeds, 74:331.
Central America and the West Indies, Physalis in Mexico, 69:82, 203, 319.
Central and South America, New species of Ferns from, 62:1.
Cerastium arvense Linn., Spontaneous hybrids between Cerastium tomentosum Linn. and, 74:519.
Cerastium tomentosum Linn. and C. arvense Linn., Spontaneous hybrids between, 74:519.
Ceratophyllum demersum and C. echinatum in Worcester County, Massachusetts, A note on, 56:257.
Cerastium echinatum in Worcester County, Massachusetts, A note on Ceratophyllum demersum and, 56:257.
Cercis canadensis in Connecticut, A further note on, 53:246.
Chamaecyparis thyoides in New Hampshire, Further notes on, 63:281; 67:409.
Chamaecyparis thyoides, Southeastern limit of, 65:359.
Chamaesaracha (Solanaceae), Biosystematic study of, 75:325.
Chamaesaracha villosa new to Texas, 67:194.
Chamaesyce (Euphorbiaceae) new to the United States, Two species of, 67:185.
CHAMBERS, KENTON L.
Hedyotis australis in Georgia, 65:271-273, pl. 1287.
CHAMPLIN, RICHARD L.
A fern new to Rhode Island, 63:46.
A Rhode Island station for Luminous Moss, 71:305.
CHANNELL, R. B.
Reappraisal of two plumose Rhynchosporas of the southeastern United States, 58:335-343, 9 figs.
A new species of Samolus (Primulaceae) from Mexico, 60:1-6, 7 figs.
(— and JAMES, CHARLES W.), Nomenclatural and taxonomic corrections in Warea (Cruciferae), 66:18-26.
(CLAUSEN, JENS, — and NUR, UZI), Viola rafinesquii, the only Melanium Violet native to North America, 66:32-46.
Characeae I. Emendation of Nitella morongii, Monographic studies on the, 51:13.

CHARETTE, L. A.
(VOGELMANN, H. W. and —), A new station for Rhododendron maximum in northern Vermont, 65:22-25, 1 map.
Hydrastis canadensis L. in New England, 66:94-96.
CHASE, SHERRET S.
A case of albinism of presumptive self-compatibility in Ulmus L., 70:294-296.
Chelone, Late negative geotropism in, 62:173.
Chenopodium gigantospermum, On the perianth and seed characteristics of Chenopodium hybridum and, 66:168.
Chenopodium hybridum and C. gigantospermum, On the perianth and seed characteristics of, 66:168.
Chenopodium hybridum var. standleyanum (Aellen) comb. nov., 51:92.
Chesapeake Bay area, The marine algae of Virginia and Maryland including the, 75:258.
Chesapeake Bay, Borrichia frutescens from, 55:58.
Chesapeake Bay region, A preliminary investigation of the benthonic marine algae of the, 71:524.
CHESTER, EDWARD W.
Halesia carolina L. in Kentucky, Indiana and Ohio, 69:380-382.
Chestnut Oak in Mississippi, A disjunct community of, 63:325.
Chicago area in Illinois, Plants new to Illinois or to the, 51:147.
Chicago region and lower Michigan, New records of grasses from the, 65:284.
Chicago region, Grasses new to Illinois and the, 60:264.
Chicago region, Notes on the grass flora of the, 59:230; — II., 63:130.
Chicago region, Plants new to Illinois and Indiana and the, 59:31.
Chicago region, Plants new to Illinois and to the, 54:208; 57:265; 59:289; 61:24.
Chickweed, Myosotodon aquaticum, in New Hampshire, A second record for the Giant, 73:19.
Chihuahua, The Ferns and Fern allies of, [Review], 64:347.
Chimaphila maculata (L.) Pursh in Maine and New Hampshire, 75:162.
CHINNAPPA, C. C.
(GILL, L. S. and —), A note on the karyology of Haplopappus spinulosus (Pursh) DC. ssp. typicus, 75:220-224, 8 figs.
CHRISTENSEN, EARL M.
Tall Wheat-grass, a new roadside species in Utah, 65:318.
Chrysanthemum lacustre Brotero, A prior record of, 72:543.
Chrysanthemum lacustre Brotero new to Gray's Manual range, 72:250.
Chrysanthemum leucanthemum complex, Chromosome races in the, 60:122.
Chrysoma pauciflosculosa in the Carolinas, Striga asiatica and, 60:289.
Chrysopsis, A change of status for two species of, 51:113.
Chrysopsis (Compositae-Astereae), A second character distinguishing Heterotheca s.str. from, 67:86.
Chrysopsis, Environmental control of a taxonomic character separating Heterotheca s.str. from, 68:406.
Chrysopsis falcata adventive in Canada, 54:308.
Chrysopsis mariana in New England, 74:152.
Chrysosplenium iowense, A note on, 51:191.
CHURCH, GEORGE L.
The genus Torreyochloa, 54:197-200.
Interspecific hybridization in eastern Elymus, 56:185-197.
Taxonomic and genetic relationships of eastern North American species of Elymus with setaceous glumes, 69:121-162, 26 figs.
Pine Hills Elymus, 69:330-351, 10 figs.
CHURCHILL, JOHN A.
Saxifraga aizoön in New Hampshire, 69:483-484.
(— and HODGDON, ALBION R.), Saxifraga cernua in New England, 69:485-486.
CHUTE, R. M.
Basicladia in Maine, 51:232.
Cimicifuga rubifolia Kearney in Virginia, Note on, 66:135.
Cirsium canescens, Nuttall's Great Plains species of Cirsium: C. undulatum and, 54:29.
Cirsium, Chromosome numbers in some North American species of the genus, 65:339.
Cirsium: C. undulatum and C. canescens, Nuttall's Great Plains species of, 54:29.
Cirsium flodmani (Rydb.) Arth., f. albiflorum, forma nova, 55:362.
Cirsium native to the southeastern United States, Cytotaxonomic notes on the species of, 71:285.

Cirsium undulatum and C. canescens, Nuttall's Great Plains species of Cirsium:, 54:29.
(Cistaceae), A revision of the North American species of Helianthemum, 67:63, 201, 255.
(Cistaceae) in the southeastern United States, The genus Lechea, 63:103.
(Cistaceae), Notes on Rafinesque's species of Lechea, 68:192.
(Cistaceae), Palynological notes on American species of Helianthemum, 69:184.
Cladonia ecmocyna in North America, 54:261.
Cladonia in the District of Columbia and vicinity, Review of the genus, 59:56.
Cladonia subrangiformis in North America, 56:266.
Cladoniae of Connecticut — IV, Notes on the, 52:77.
Cladoniae of southeastern Massachusetts with special reference to the collection of Charles Albert Robbins, List of the, 74:254.
CLAUSEN, JENS
(—, CHANNEL R. B. and NUR, UZI), Viola rafinesquii, the only Melanium Violet native to North America, 66:32-46.
CLAUSEN, ROBERT T.
Carlina vulgaris in the Cayuga Quadrangle, 42-43° N., 76-77° W., 51:33-34, pl. 1120.
Smilax hispida versus S. tamnoides, 53:109-111.
Suggestion for the assignment of Torreyochloa to Puccinellia, 54: 42-45.
Claytonia in Virginia, A hybrid population of, 66:136.
Claytonia virginica, Orange-yellow-flowered, 60:258.
CLEAVELAND, PARKER
[The — Herbarium of Bowdoin College], 74:80-84.
CLEVENGER, SARAH
(— and HEISER, CHARLES B., JR.), Helianthus laetiflorus and Helianthus rigidus — hybrids or species?, 65:121-133, 6 figs.
CLEWELL, ANDRÉ F.
Native North American species of Lespedeza (Leguminosae), 68:359-405, 18 figs.
(WOOTEN, JEAN W. and —), Fleischmannia and Conoclinium (Compositae, Eupatorieae) in eastern North America, 73:566-574, 4 figs.
Cliococca (Linaceae) of South America, The reexamination of the genus, 73:560.
Club Herbarium gets a new home, The, 56:101.
Coastal Plain, A second station for Stewartia ovata on the, 63:206.
Coastal Plain relict in the Missouri Ozark region, Another, 55:15.
Cochlearia officinalis arctica in the vicinity of Point Barrow, Alaska, 54:40.
CODY, W. J.
Chrysopsis falcata adventive in Canada, 54:308.
Salicornia europaea in the James Bay region, 56:61-62.
A history of Tillaea aquatica (Crassulaceae) in Canada and Alaska, 56:96-101, 1 fig.
(BOIVIN, BERNARD and —), The variations of Lilium canadense Linnaeus, 58:14-20.
Draba lanceolata in the Ottawa district, 59:237-239.
A new station for Pinguicula vulgaris in Ontario, 64:182-183.
COLEMAN, JAMES R.
Natural and artificial hybrids of Cacalia atriplicifolia and C. muhlenbergii, 67:55-58, 3 figs.
A cytotaxonomic study in Verbesina (Compositae), 70:95-102.
Chromosome numbers in some Brazilian Compositae, 70:228-240, 26 figs.
(— and SMITH, LYMAN B.), Chromosome numbers of some Brazilian Angiosperms, 71:548-551.
Additional chromosome numbers in Brazilian Compositae, 72: 94-99.
Nomenclatural clarification of two species of Verbesina (Compositae) endemic to Florida, 74: 97-101.
Collecting bag, A simple, 51:393.
Collecting, Paraformaldehyde as a source for formaldehyde for use in botanical, 59:299.
Collections, Need for caution regarding certain, 52:175.
Collinsia violacea, Notes on, 58:308.
Colombiae Orientalibus partibus Notulae, Plantae austro-americanae XI. De plantis principaliter ex, 65:1.

Colorado, A popular flora of central, [Review], 56:103.
Colorado, Alchemilla alpina in, 52: 47.
Colorado, Braya in, 55:109.
COLT, L. C., JR.
(— and HELLQUIST, C. BARRE), Seventy-five years later, a second station in New England for Micrasterias nordstedtiana, 73:56-57, 1 fig.
(—, HELLQUIST, C. BARRE and ZUBRIN, W. J. L.), An interesting association of rare aquatic plants from New Hampshire, 73:296-299.
Amphiprora ornata Bailey — a second station in New England, 74:521-523, 1 fig.
(— and SWARTZ, STEVEN), An unusual substrate for Polysiphonia paniculata Montagne, 75:488-490.
Columbia Plateau, Indications of possible mid-Cenozoic hybridization in the Aspens of the, 69:70.
Columbianae XVII. Philodendra ex regione Amazoniae nova, Plantae, 66:118.
(Combretaceae), The distribution of pubescent leaved individuals of Conocarpus erectus, 72:544.
Coming of age of American botany, The, [Review], 62:85.
Commelina, A variegated foliage form of, 63:88.
Commelina communis in New Hampshire, 65:363.
(Commelinaceae) from Mexico, Separotheca, a new genus, 61:136.
Committee on plant distribution, Report of the, Tenth, 53:79; — Eleventh, 58:125; — Twelfth, 60:297; — Thirteenth, 62:108; — Fourteenth, 63:47; — Corrections in, 63: 348; — Fifteenth, 64:168; — Sixteenth, 65:26; — Correction in, 69: 318; — Seventeenth, 69:306.
(Compositae), A cytotaxonomic study of the genus Hymenopappus, 58: 163, 208, 250, 295.
(Compositae), A cytotaxonomic study in Verbesina, 70:95.
(Compositae), A new Alaskan species of Erigeron L., 75:116.
(Compositae) II. A new species of Eupatorium (section Hebeclinum), Studies in Eupatorium, 71:577.
(Compositae), A revision of North American and Caribbean Melanthera, 75:169.
(Compositae), A revision of the vernal species of Helenium, 59:101, 128, 168, 203.
(Compositae), A systematic study of the genus Bahia, 66:67, 177, 281.
Compositae, Additional chromosome numbers in Brazilian, 72:94.
Compositae — VI. Additional Mexican and Guatemalan species, Chromosome numbers in the, 64: 251.
(Compositae) and notes on the pedicellate disk florets in the genus, A reversion in Polymnia canadensis, 70:559.
(Compositae), Application of the name Kuhnia eupatorioides var. angustifolia, 66:160.
(Compositae: Astereae), A second character distingushing Heterotheca s.str. from Chrysopsis, 67:86.
Compositae, Chromosome numbers in Mexican and Guatemalan, 64:271.
(Compositae), Chromosome numbers in the Compositae. II. Meiotic counts for fourteen species of Brasilian, 62:122.
(Compositae), Chromosome numbers in Vernonia, 68:49.
Compositae, Chromosome numbers in some Brazilian, 70:228.
Compositae, Chromosome studies in Mexican, 65:225.
(Compositae) endemic to Florida, Nomenclatural clarification of two species of Verbesina, 74:97.
(Compositae, Eupatorieae) in eastern North America, Fleischmannia and Conoclinium, 73:566.
Compositae — Eupatorieae. XV. Jaliscoa, Macvaughiella, Oaxacania and Planaltoa, Studies in the, 72: 100.
Compositae: II. Eupatorieae, Senecioneae, Cynareae, Cichoreae, Notes on the distribution of Ohio, 61:76.
(Compositae) from Guatemala, A new species of Lagenophora, 67:36.
(Compositae) from Mexico, A new species of Ratibida, 66:267.
(Compositae), Generic considerations concerning Carphephorus, Trilisa and Litrisa, 60:117.
(Compositae), Generic considerations concerning Carphephorus and Trilisa, 70:474.
Compositae (Heliantheae), Cuchumatanea, a new genus of the, 68:139.
(Compositae, Heliantheae), Greenmania: a taxonomic synonym of Unxia, 73:291.

Compositae: I. Heliantheae, Anthemideae, Notes on the distribution of Ohio, 60:125.
(Compositae - Heliantheae - Coreopsidinae), Revision of the genus Dahlia, 71:309.
(Compositae - Heliantheae - Melampodinae): taxonomic changes and generic affinities, The genus Acanthospermum, 72:106.
(Compositae: Heliantheae), Revision of the genus Melampodium, 74:1, 161.
(Compositae-Heliantheae), The status of Aganippea bellidiflora, 66:156.
(Compositae): its arrival and spread in the northeastern United States, Galinsoga ciliata, 72:386.
Compositae. II. Meiotic counts for fourteen species of Brazilian Compositae, Chromosome numbers in the, 62:122.
Compositae V. Mexican and Guatemalan species, Chromosome numbers in the, 63:121.
(Compositae), Microchromosomes in Aphanostephus, 66:270.
Compositae, Nomenclatural and taxonomic notes on Mexican, 74:495.
(Compositae-Peritylanae), Taxonomy of Perityle, section Pappothrix, 71: 58.
(Compositae). I. Revision of Eupatorium bellidifolium and allied species, Studies in Eupatorium, 71: 566.
(Compositae), Revision of Heterotheca, section Heterotheca, 62:61, 97.
(Compositae), Status of the genus Cymophora, 70:241.
(Compositae) I-III., Studies in the Eupatorieae, 69:35.
(Compositae) IV. Studies in the Eupatorieae, 69:352.
(Compositae), Synopsis of the genus Xanthocephalum, 63:151.
(Compositae-Tagetinae) and phyletic interpretations, Chromosome numbers of Dyssodia, 64:2.
(Compositae), Taxonomy of Haplopappus, section Isopappus, 67:217.
(Compositae), The status of the genera Amphipappus, Amphiachyris, Greenella, Gutierrezia, Gymnosperma and Xanthocephalum, 62: 43.
(Compositae), The systematic value of trichome complements in a North American group of Vernonia, 75:517.
(Compositae), The taxonomy of Vernonia acaulis, V. glauca and V. noveboracensis, 72:145.
(Compositae), The typification of Xanthocephalum, 67:182.
Composite of the American rain forest, Neomirandea allenii, a new epiphytic, 74:272.
Cones of Abies and Cedrus intact for study and storage, A new method for maintaining the, 68:516.
Conifer twigs with deciduous leaves, A new method for mounting evergreen, 66:216.
Connecticut, A further note on Cercis canadensis in, 53:246.
Connecticut, Cyperus brevifolius in Fairfield County, 51:119.
Connecticut, Drosera filiformis in, 65: 273.
Connecticut, IV., Notes on the Cladoniae of, 52:77.
Connecticut, Two Eupatorium species new to, 70:455.
Conobea multifida, a new record for Nebraska, 66:280.
Conocarpus erectus (Combretaceae), The distribution of pubescent leaved individuals of, 72:544.
Conoclinium (Compositae, Eupatorieae) in eastern North America, Fleischmannia and, 73:566.
(Convolvulaceae), a South American waif in Missouri, Ipomoea amnicola, 67:200.
Convolvulus, Errors of citation in Agrostis and, 51:192.
CONWAY, JOAN R.
(HEHRE, EDWARD J. and —), Glaucium flavum Crantz from Cape Cod, 71:540.
(HEHRE, EDWARD J., — and STONE, RICHARD A.), Flora of the Wolf Islands, Part III. The marine algae, 72:115-118.
(STONE, RICHARD A., HEHRE, EDWARD J., MATHIESON, ARTHUR C. and —), A preliminary checklist of the marine algae of Campobello Island, New Brunswick, Canada, 72: 313-338, 1 map.
COOK, FRANK S.
(ELLIOTT, H. VINCENT and —), Listera ovata (L.) R.Br. in the Bruce Peninsula, Ontario, 72:274-275.
COOK, PHILIP W.
Discovery of Arenaria marcescens in the United States, 61: 123-124.

Cooley, George R.
The vegetation of Sanibel Island, Lee County, Florida, 57:269-289, pls. 1213-1221.
Phoradendron rubrum in Florida, 65:190-191.
Cooperrider, Tom S.
The occurrence and hybrid nature of an Enchanter's Nightshade in Ohio, 64:63-67, 5 figs.
Cordilleran species in eastern North America, Three misidentified so-called, 64:117.
Coriaria (Coriariaceae) in the Western Hemisphere, The genus, 74:242.
(Coriariaceae) in the Western Hemisphere, The genus Coriaria, 74:242.
Cornus canadensis in northern New England, Developmental variability of, 70:278.
Cornus florida — cultivar or form?, Yellow-fruited, 70:568.
Correll, Donovan S.
Habenaria conopsea in North America, 65:241-242.
(Correction, 67:35).
Some additions and corrections to the flora of Texas — III., 68: 420-428, pl. 1335.
(— and Johnston, M. C.), Manual of the vascular plants of Texas, [Review], 72:533-535.
Correll's Native Orchids of North America north of Mexico, [Review], 53:247.
Corydalis bulbosa, Note on, 70:296.
Costa Rica, A new species of Senecio from, 67:239.
Costa Rica, The genus Oleandra of, 63:335.
Costa Rica, The genus Pteris of, 63: 194.
Countryman, Wm. D.
Wolffia in New Hampshire, 70: 491.
Alisma gramineum in Vermont, 70:577-579.
Cowan, Richard S.
Candolleodendron, a new genus of Leguminosae (Caesalpinioideae), 68:429-432, 1 fig.
Craighead, Frank C.
(Galinat, Walton C. and —), Some observations on the dissemination of Tripsacum, 66: 371-374.
Crandall, Dorothy L.
Shortia galacifolia in Gray's Manual range, 58:38-40.
(Crassulaceae) in Canada and Alaska, A history of Tillaea aquatica, 56:96.
(Crassulaceae) Notes on the genus Diamorpha, 66:87.
Croasdale, Hannah
A correction in the names of two species of Heterokontae, 58: 161-162.
Cronquist, Arthur
A new variety of Solidago ulmifolia, 57:36.
(—, Keck, David Daniel and Maguire, Bassett), Validity of Nuttall's names in Fraser's Catalogue, 58:23-24.
Fraser's Catalogue again, 59:100.
On the nomenclature of Salix bebbiana Sarg., 73:558-559.
Crookea (Guttiferae), A re-evaluation of the generic status of Ascyrum and, 63:10.
Crooked Oaks on Cape Cod and Martha's Vineyard, 57:132.
Cross, Frank C.
Notes on two adventive plants of the Washington, D.C. area, 52: 183-184.
Crossing diagrams, Interpretation of, 67:146.
Crosswhite, Frank S.
(— and Kawano, Shoichi), Chromosome numbers in Penstemon (Scrophulariaceae) I: new mitotic counts, 67:187-190, 1 fig.
An incorrect correction, 71:480.
Croton abruptus (Euphorbiaceae) of western Texas and northern Mexico, Croton suaveolens and, 62:77.
Croton alabamensis, Disjunction and endemism in, 71:94.
Croton suaveolens and Croton abruptus (Euphorbiaceae) of western Texas and northern Mexico, 62:77.
Crowberries in North America, The red-fruited, 62:265.
Crucifer again reaches North America, A weedy, 63:345.
Crucifer from the Great Slave Lake area of Canada, A new, 64:324.
(Cruciferae), Cardamine digitata Richardson, 54:260.
(Cruciferae) in North America, The genus Lesquerella, [Review], 75: 622.
(Cruciferae) introduced in North America, Alyssum, 70:298.
(Cruciferae) native to Texas and northern Mexico, Some Sisymbriums, 62:55.

(Cruciferae), Nomenclatural and taxonomic corrections in Warea, 66:18.
(Cruciferae), Notes on American Rorippa, 63:1.
Cruciferae of Mexico and western Texas, Miscellaneous, 59:61.
Cruciferae of Sessé and Mociño, The American, 62:11.
Cruciferae of the Nashville Basin, Tennessee, Some, 54:182.
(Cruciferae), Protandry in two species of Streptanthus, 65:45.
Cruciferae, Some new primitive Mexican, 58:148.
(Cruciferae), The auriculate-leaved species of Lesquerella, 57:241.
(Cruciferae), The genetic evaluation of a taxonomic character in Dithyrea, 60:145.
(Cruciferae), The genus Subularia, 66:127.
(Cruciferae), The genus Synthlipsis, 61:253.
(Cruciferae), The identity of Sisymbrium pauciflorum, 68:513.
(Cruciferae), The North American representatives of Smelowskia, 54:85.
(Cruciferae), Thlaspi tuberosum Nutt., a taxonomic synonym of Cardamine douglassii Britt., 69:460.
Cruciferous weed, Calepina irregularis in Virginia, A new, 59:278.
Crucifers new to Essex County, Massachusetts, Two, 61:187.
CRUISE, J. E.
(— and CATLING, P. M.), A white-flowered form of Iris lacustris from Ontario, 74:271.
Cuba, Notes on Orchids from La Bayamesa, 59:245.
Cuchumatanea, a new genus of the Compositae (Heliantheae), 68:139.
Culinary use for the leaf of Vitis riparia, A, 52:225.
Cuphea sect. Leptocalyx, series Bustamentae, A re-evaluation of, 71:481.
Cuphea, Stamen-numbers in, 52:185.
Curlygrass in New York State, 62:294.
Cuscuta and Phlox from Oklahoma, New species of, 73:575.
CUSICK, ALLISON W.
An assemblage of halophytes in northern Ohio, 72:285-286.
Cyatheaceae, Taxonomic fern notes VI — New species of American, 74:441.
(Cyatheaceae), The Alsophila swartziana complex, 71:7.
Cycloloma in Maryland, 59:160.
Cymophora (Compositae), Status of the genus, 70:241.
Cyperaceae from Illinois, Notes on, 61:290.
Cyperaceae, Part I., Studies in the flora of Bolivia, III., 67:97.
Cyperus brevifolius in Fairfield County, Connecticut, 51:119.
Cyperus ferruginescens in Vermont, 64:352.
Cyperus fuscus in Nebraska and South Dakota, 71:433.
×Cyperus weatherbianus, A note on, 64:349.
Cypripedium acaule, White phase in flower development in, 72:142.
Cypripedium arietinum R.Br. in Nova Scotia, 56:203.
Cypripedium calceolus L. subsp. parviflorum (Salisb.) Hult. from Alaska, New record for the Yellow Lady's Slipper Orchid, 75:491.
(Cypripedium) in Manitoba, Natural hybrids of the Lady's Slippers, 68:53.
Cystopteris fragilis complex, A diploid variety in the, 58:79.
Cystopteris. I. The distribution of Cystopteris with non-spiny spores in North America, Spore studies in the genus, 63:181.
Cystopteris with non-spiny spores in North America, Spore studies in the genus Cystopteris. I. The distribution of, 63:181.

DAHL, EILIF
Three misidentified so-called Cordilleran species in eastern North America, 64:117-121.
Dahlia australis, Validation of the name, 71:565.
Dahlia (Compositae-Heliantheae-Coreopsidinae), Revision of the genus, 71:309, 367.
Dalea alopecuroides on Plum Island, Essex County, Massachusetts, 52:299.
DAMMAN, A. W. H.
The distribution patterns of northern and southern elements in the flora of Newfoundland, 67:363-392, 6 figs.
Danish flora, A botanical atlas of the, [Review], 63:349.
DAOUD, HAZIN S.
(WILBUR, ROBERT L. and —), The genus Lechea (Cistaceae) in the southeastern United States, 63:103-118, 10 maps, 10 figs.

(— and Wilbur, Robert L.), A revision of the North American species of Helianthemum (Cistaceae), 67:63-82, 201-216, 255-312, 17 maps, 1 fig.
D'Arcy, W. G.
Annotated checklist of the Dicotyledons of Tortola, Virgin Islands, 69:385-450, 1 map.
Mock Bishop's Weed in the New World Tropics: range extensions for Ptilimnium capillaceum (Umbelliferae), 72:393-396, 1 pl.
Dasistoma macrophylla, The parasitic behavior of, 64:331.
Daubs, Edwin H.
The occurrence of Spirodela oligorrhiza in the United States, 64:83-85.
Davidson, Phyllis E.
(Davidson, Robert A. and —), Variance in herbarium specimen identification and other considerations based upon the preparation of a local flora, 63:207-213.
Davidson, Robert A.
(— and Davidson, Phyllis E.), Variance in herbarium specimen identification and other considerations based upon the preparation of a local flora, 63:207-213.
Davies, P. A.
Geographical variations in Shortia galacifolia, 54:121-124.
Distribution and abundance of Shortia galacifolia, 57:189-201.
Remarks on the Virginia location of Shortia galacifolia, 61:297-301.
Davis, Edward L.
(Torrey, R. E. and —), The old Massachusetts herbarium, 55: 7-14.
(— and Burns, Richard L.), The use of vapor fractometry in the analysis of some New England Hops, 64:243-251.
Determination of the developmental pattern of angiospermous leaves, 67:49-54, 2 figs. pl. 1310.
Davis, Shirley A.
(Lewis, Walter H. and —), Cytological observations of Polygala in eastern North America, 64:102-113, 16 figs.
Dawes, Clinton J.
(Mathieson, Arthur C., — and Humm, Harold J.), Contributions to the marine algae of Newfoundland, 71:110-159, 1 fig.
Dayton, William A.
Some notes on United States tree names, 54:67-79.
(— and Blake, Sidney F.), Ivar Tidestrom 1864-1956, 59: 161-168, pl. 1229.
A new varietal combination in Oxybaphus 61:85.
Deane's seedling collection, A check list of Walter, 63:287.
Deep-freezing flowers for laboratory instruction in systematic botany, 52:289.
Defilipps, Robert A.
Diplotaxis tenuifolia in Illinois and other records, 66:54-55.
Parasitism in Ximenia (Olacaceae), 71:439-443, 2 figs.
DeJong, D. C. D.
(— and Longpre, E. K.), Chromosome studies in Mexican Compositae, 65:225-240, 35 figs.
(Beaman, John H. and —), A new species of Lagenophora (Compositae) from Guatemala, 67:36-41, pl. 1309.
Delaware, and the District of Columbia, A Fern Flora of Maryland, [Review], 56:62.
Delaware, New or additional records of Grasses in Maryland and, 56: 178.
del Rosario, R. M.
A new species of Asterella from Mexico, 68:470-473, 3 figs.
Denmark, A new botanical masterpiece from, [Review], 59:269.
Dentaria in eastern North America, Preliminary studies in the genus, 57:161.
Dentaria in Indiana and Ohio, 59: 179.
Dentaria laciniata from seed, 59:267.
Dentaria multifida in central Ohio, 58:160.
Deramus, Rebecca
(Thomas, Joab L. and —), The chromosome number of Neviusia alabamensis Gray, 66:274.
Desmids new to Massachusetts, Flagellates and, 69:55.
Desmodium: preliminary studies — III, 52:135.
(Deuteromycetes), The genus Piricauda, 61:87.

DeWolf, Gordon P.
(Steeves, Taylor A. and —), Note on the varieties of Zizania aquatica L., 52:34.
A note on the name Calamintha, 57:73-78.
Scientific books, libraries and collectors, [Review], 58:332-334.
Chromosome numbers in the higher plants, [Review], 59: 241-244.
Evolution of Flowering Plants, [Review], 60:262-263.
Note on Corydalis bulbosa, 70: 296-298.
Dexter, Ralph W.
Crooked Oaks on Cape Cod and Martha's Vineyard, 57:132.
Deyeuxia, A new name in, 66:277.
Diagrams, Interpretation of crossing, 67:146.
Diamorpha (Crassulaceae), Notes on the genus, 66:87.
Diapensia lapponica, A double-flowered form of, 65:21.
Diapensia lapponica habitat in the White Mountains, New Hampshire, Snow cover and the, 74:358.
Diarrhena americana in Wisconsin, Elymus arenarius and, 62:199.
Dicentra cucullaria f. purpuritincta in Quebec, 51:30.
Dicliptera and Iresine, Illinois flora: notes on Limnosciadium, 64:282.
Dicotyledons of Tortola, Virgin Islands, Annotated checklist of the, 69:385.
Dicranum arcticum occur in southern central Quebec? Does, 51:29.
Diervilla sessilifolia in Virginia, 51: 60.
Dieterle, Jennie V. A.
Sandbags as a technical aid in mounting plants, 62:322-324.
Digitaria and Trichachne, New species of, 65:355.
Dillon. Gordon W.
(Schultes, Richard Evans and —), Synopsis of the genus Lepanthes in Mexico, 61:1-20, pls. 1235-1236.
Diplacrum africanum newly found in tropical America, 73:159.
Diplotaxis erucoides from western United States, Erroneous record of, 55:291.
Diplotaxis tenuifolia in Illinois and other records, 66:54.
Dipsacus laciniatus in Illinois, 55: 268.
Dipsacus sylvestris, An albino form of, 60:174.
Disporum maculatum, The chromosomes of, 55:61.
Dissecting equipment and materials for the study of minute plant structures, 67:95.
District of Columbia, A Fern Flora of Maryland, Delaware, and the, [Review], 56:62.
District of Columbia and vicinity, Review of the genus Cladonia in the, 59:56.
District of Columbia area, Notes on two adventive plants of the Washington, 52:183.
District of Columbia, Erroneous record of Borrichia frutescens from, 53:206.
Dithyrea (Cruciferae), The genetic evaluation of a taxonomic character in, 60:145.
Dix, W. L.
Potentilla procumbens in the United States, 51:390-391.
Dobbs, Raymond J.
New plant records for Illinois, 54:307.
Dodecatheon amethystinum and forma margaritaceum in the Missouri Ozarks, 55:226.
Dominican flora, Novelties in the, 62:235.
Dominican Republic, Thelopogon elegans Roth in the, 60:73.
Douglas, George W.
(— and Taylor, Ronald J.), Contributions to the flora of Washington, 72:496-501.
Downing, Andrew Jackson
[Asa Gray and —: a bibliographic note], 58:243-245.
Draba aprica in Oklahoma, 63:223.
Draba lanceolata in the Ottawa district, 59:237.
Draba lemmoni, 55:323.
Draba on Clay Butte, Wyoming, 55: 229.
Dressler, Robert L.
The genus Tetrococcus (Euphorbiaceae), 56:45-61, 2 figs., pls. 1199-1200.
Some floristic relationships between Mexico and the United States, 56:81-96, 8 maps.
Drew, W. B.
(— and Giles, R. A.), Epipactis helleborine (L.) Crantz in Michigan and its general range in North America, 53:240-242.
Drier for herbarium specimens, An electrical, 52:129.
Drosera anglica, Evidence for the hybrid origin of, 57:105.

Drosera filiformis in Connecticut, 67: 273.
DROUET, FRANCIS
(HABEEB, HERBERT and —), A second list of freshwater algae chiefly from New Brunswick, 58:117-124.
DRURY, WILLIAM H., JR.
(— and ROLLINS, REED C.), The North American representatives of Smelowskia (Cruciferae), 54:85-119, 3 figs., pls. 1185-1186.
The ecology of the natural origin of a species of Carex by hybridization, 58:51-72, 2 figs.
A needed revision, [Review], 59: 272.
A posthumous edition, [Review], 59:290.
Dryopteris dilatata from Quebec, Diploid, 69:1.
Dryopteris dilata (Hoffm.) A. Gray in North America, 64:207.
Dryopteris goldiana ×intermedia, A natural Wood-fern cross of noteworthy morphology, 66:255.
(Dryopteris) in eastern North America, The spores of four species of Spinulose Wood-Ferns, 70:340.
Dryopteris spinulosa, A study of variation in the cytotypes of, 68: 59.
DRYSDALE, FRANK R.
Variation of seed size in Atriplex patula var. hastata (L.) Gray, 75:106-110, 2 figs.
DUDLEY, THEODORE R.
Alyssum (Cruciferae) introduced in North America 70:298-300.
Viburnum wurdackii, a new Peruvian species, 71:554-559, 1 fig., pl. 1428.
DUNBAR, HENRY F.
(HOWARD, RICHARD A. and —), Additions to the flora of Inagua, The Bahamas, 66:6-15, 1 map.
Notes on the flora of a gorge of Esopus Creek, New York, 61: 21-24.
DUNCAN, WILBUR H.
Two new States for Tridens strictus, 52:126-127.
Synonymy in Viburnum obovatum and V. cassinoides, 52:179-183.
Stamen-numbers in Cuphea, 52: 185-188.
(—, VENARD, HASKELL and MCDOWELL, G. W.), Shortia galacifolia from Georgia, 52:229-232, 1 map.
Taxonomic collections of vascular plants in the southeastern States — their abundance and relation to production of floras, 55:353-358, 1 tab., 1 fig.
(— and BROWN, CLAUD L.), Connate anthers in Gentiana (Gentianaceae), 56:133-136, pl. 1203.
A naturally occurring F_1 hybrid of Monarda media and M. fistulosa, 61:302-305, 1 fig.
New Elatine (Elatinaceae) populations in the southeastern United States, 66:47-53, 4 figs.
(JONES, SAMUEL B., JR. and —), Chromosome numbers in Vernonia (Compositae), 68:49-52.
(YATES, IDA E. and —), Comparative studies of Smilax, section Smilax, of the southeastern United States, 72:289-312, 18 figs.
The southern limits of Trientalis borealis, 72:489-492, 1 map.
(—, GARST, JOHN F. and NEECE, GEORGE A.), Trillium persistens (Liliaceae), a new pedicellate-flowered species from northeastern Georgia and adjacent North Carolina, 73:244-248.
(— and MELLINGER, MARIE), Edgeworthia (Thymelaeaceae) new to the Western Hemisphere, 74:436-439.
DUNN, DAVID B.
A method of mounting pressed flowers for study and preservation, 56:258-260.
(HESS, LLOYD W. and —), Nomenclature of the Lupinus argenteus and L. caudatus complexes, 72:110-114.
Lupinus mexicanus Cerv. ex Lag., 74:489-494, 1 fig.
DUPREE, A. HUNTER
Thomas Nuttall's controversy with Asa Gray, 54:293-303.
Asa Gray and Andrew Jackson Downing: a bibliographic note, 58:243-245.
Dyssodia (Compositae-Tagetinae) and phyletic interpretations, Chromosome numbers of, 64:2.
Eastern White Pine, An unusual station for, 51:393.
EASTMAN, LESLEY M.
Triphora trianthophora (Sw.) Rydb. in Maine, 71:509.
A second occurrence for Triphora trianthophora (Sw.) Rydb. in Maine, 74:141.

(Hodgdon, Albion R. and —), Chimaphila maculata (L.) Pursh in Maine and New Hampshire, 75:162-165.
Some new locals in the Maine flora, 75:166-167.
Eaton, Richard J.
A new color form of Polygala paucifolia, 54:27.
Persistence of color forms of Polygala paucifolia, 54:27-28.
Status of Phragmites communis Trin., var. berlandieri (Fourn.) Fernald along the Sudbury River in eastern Massachusetts, 54:135-138.
Carex molesta in Massachusetts, 59:33-36.
Echinochloa walteri in Concord, Massachusetts, 59:262-265.
Note on the habitat of Aster ptarmicoides, 59:308.
The spontaneous flora of an old house-lot in eastern Massachusetts, 60:61-73.
(Bean, Ralph C., Hill, A. F. and —), Twelfth report of the Committee on plant distribution, 60:297-305.
Some interesting records from eastern Massachusetts, 60:316-320.
Additional notes on vegetative reproduction in Carex tribuloides and C. projecta, 61:294-295.
(Bean, Ralph C., Hill, A. F. and —), Thirteenth report of the Committee on plant distribution, 62:108-116.
Vegetative reproduction in Carex longii and C. vexans, 62:338-339.
(Bean, Ralph C., Hill, A. F. and —), Fourteenth report of the Committee on plant distribution, 63:47-55.
A check list of Walter Deane's seedling collection, 63:287-289.
(Bean, Ralph C., Hill, A. F. and —), Corrections in reports of the Committee on plant distribution, 63:348.
(Bean, Ralph C., Hill, A. F. and —), Fifteenth report of the Committee on plant distribution, 64:168-179.
Cyperus ferruginescens in Vermont, 64:352-353.
(Bean, Ralph C., Hill, A. F. and —), Sixteenth report of the Committee on plant distribution, 65:26-34.
(Bean, Ralph C., Hill, A. F., — and Harris, Stuart Kimball), Seventeenth report of the Committee on plant distribution, 69:306-318.
(Bean, Ralph C., Hill, A. F., — and Harris, Stuart Kimball), A correction in the sixteenth report of the Committee on plant distribution, 69:318.
The diagnostic value of fresh mature drupes of Viburnum recognitum and V. dentatum, 70:288-289.
Chrysopsis mariana in New England, 74:152-153.
Ebinger, John E.
Wallpaper cleaner in the herbarium, 61:147-148.
The varieties of Luzula acuminata, 64:74-83, 1 fig.
Echinacea tennesseensis (Beadle) Small, Rediscovery of, 73:304.
Echinochloa muricata, Note on, 58:331.
Echinochloa, Nomenclatural change in the grass genus, 58:48.
Echinochloa, Some notes on, 51:1.
Echinochloa walteri in Concord, Massachusetts, 59:262.
Echinodorus in the American Tropics, 57:133, 174, 202.
Edgeworthia (Thymelaeaceae) new to the Western Hemisphere, 74:436.
Edible Mushrooms, [Review], 54:120.
Edwards, Maurice E.
Iris verna L.: lectotype and variety description, 71:212-214.
Edwin, Gabriel
A quicker more satisfactory method for soaking and repressing dried plant specimens, 53:113-114.
Notes on Ilex, 59:20-23.
Ehrle, Elwood B.
A cytotaxonomic study of the genus Achillea in Pennsylvania, 60:7-9, 1 fig.
Eleocharis acicularis in acid mine drainage, 62:95-97.
Elaeagnus commutata, Note on, 62:29.
Elatine (Elatinaceae) populations in the southeastern United States, New, 66:47.
Elatine triandra in New York, 60:58.
(Elatinaceae) populations in the southeastern United States, New Elatine, 66:47.
Electrical drier for herbarium specimens, An, 52:129.

Eleocharis acicularis in acid mine drainage, 62:95.
Eleocharis obtusa-ovata complex, The, 55:1.
Elephantopus elatus, The status and distribution of, 61:309.
ELEUTERIUS, L. N.
(— and JONES, SAMUEL B., JR.), A floristic and ecological study of Pitcher Plant bogs in south Mississippi, 71:29-34.
ELLIOTT, H. VINCENT
A new locality for Orchis rotundifolia var. lineata, 62:174.
(— and COOK, FRANK S.), Listera ovata (L.) R.Br. in the Bruce Peninsula, Ontario, 72: 274-275.
ELLISON, WILLIAM L.
A systematic study of the genus Bahia (Compositae), 66:67-86, 177-215, 281-311, 63 figs.
Elm from Ontario, A buttressed, 65: 366.
Elm, The propagation of the Camperdown, 54:55.
Elodea correct without being conserved, 58:162.
Elodea; Part 4 and summary, Monograph of the genus, 67:1, 155.
Elsholtzia ciliata in Essex County, Massachusetts, 61:63.
×Elyhordeum and comments, Hybridization within the Triticeae of Alaska: a new, 70:467.
Elymus arenarius and Diarrhena americana in Wisconsin, 62:199.
Elymus arenarius to Illinois, A note on the ascription of, 64:284.
Elymus from Alaska, A new, 58:144.
Elymus, Interspecific hybridization in eastern, 56:185.
Elymus, Pine Hills, 69:330.
Elymus riparius in Illinois, 55:156.
Elymus with setaceous glumes, Taxonomic and genetic relationships of eastern North American species of, 69:121.
EMERY, W. H. P.
Some chromosome numbers in the genus Callirhoë (Malvaceae), 58:100-102.
Empetrum nigrum, Fasciation in, 66: 62.
Enchanter's Nightshade in Ohio, The occurrence and hybrid nature of, 64:63.
Epidendrum conopseum in Mississippi, Eulophia ecristata and, 67:48.
Epifagus virginiana, 57:71.
Epilobium hirsutum (Great Hairy Willow-herb) in North America, Distributional history of, 72:164.
Epilobium latifolium L., Another color form of, 55:268.
Epilobium ×wisconsinense, hybr. nov., 65:274.
Epipactis helleborine again, 51:162.
Epipactis helleborine in Illinois, 57: 131.
(Epipactis helleborine) in Maine, Helleborine, 62:142.
Epipactis helleborine (L.) Crantz in Michigan, and its general range in North America, 53:240.
Equisetum from Peninsula Florida, 74:526.
Eragrostis curvula from Illinois, 63: 148.
Eragrostis curvula in Missouri, 56: 273.
Eragrostis domingensis (Pers.) Steud. new to the United States, 71:479.
Eragrostis plana in South Carolina, 72:188.
Eragrostis tracyi from Sanibel Island, Florida, The extended distribution of, 67:312.
Erianthus alopecuroides, An unusual, 66:268.
Erie Archipelago (Ontario), Additions to the flora of the, 55:224.
Erigenia, a genus new to Oklahoma, 66:311.
Erigeron L. (Compositae), A new Alaskan species of, 75:116.
Eriochloa and Jussiaea, Illinois flora: notes on, 61:307.
Eriogonum harperi Goodman in Tennessee, 74:154.
Eriophorum, Two color-forms in, 53: 208.
Eriosorus, Notes on the fern genus, 65:56.
Errors in Gray's Manual, Misprints and other typographical, 52:280.
ERSKINE, DAVID S.
Species newly or rarely reported from Nova Scotia and Cape Breton Island, 53:264-271.
Northeastward range extensions for two species of Hypericum in Nova Scotia, 57:132.
ERSKINE, J. S.
Additions and extensions to the flora of Nova Scotia, 55:17-20.
Cypripedium arietinum R.Br. in Nova Scotia, 56:203-204.
(SMITH, E. C. and —), Contributions to the flora of Nova Scotia, IV., 56:242-252.

Additions to the flora of St. Paul Island, Nova Scotia, 58:245-249.
Eucnide, A revision of, 61:231.
Eugenias, Notes on some Jamaican, 59:303.
Eulophia ecristata in Mississippi, Epidendrum conopseum and, 67:48.
Eupatorium bellidifolium and its allied species, Studies in Eupatorium (Compositae) I., Revision of, 71:566.
Eupatorium (Compositae), I. Revision of Eupatorium bellidifolium and allied species, Studies in, 71:566.
Eupatorium (section Hebeclinum), Studies in Eupatorieae (Compositae) II. A new species of, 71:577.
Eupatorium species new to Connecticut, Two, 70:455.
Euphorbia maculata, Typification of, 62:134.
Euphorbia maculata L., Typification of, 55:241.
Euphorbia subgenus Chamaesyce, The application of the Linnaean names of some New World species of, 68:155.
(Euphorbiaceae) in the United States, A preliminary revision of Tragia, 69:241.
(Euphorbiaceae) new to the United States, Two species of Chamaesyce, 67:185.
(Euphorbiaceae) of western Texas and northern Mexico, Croton suaveolens and Croton abruptus, 62:77.
Euphorbiaceae) of western Texas, The Noseburn (Tragia, 64:137.
(Euphorbiaceae), The genus Reverchonia, 65:193.
(Euphorbiaceae), The genus Tetracoccus, 56:45.
Euphrasia L. — III, Studies in the genus, 54:145.
Euphrasia micrantha new to North America, 60:307.
Europe, Relationship of Heracleum lanatum Michx. of North America to Heracleum sphondylium of, 73:578.
Evans, A. Murray
(— and Wagner, Warren H., Jr.), Dryopteris goldiana ×intermedia — a natural Woodfern cross of noteworthy morphology, 66:255-266, 2 figs., pls. 1302-1303.
Evans, Alexander W.
[Long life to —], 52:49-51.
Notes on the Cladoniae of Connecticut — IV., 52:77-123, pl. 1161.
Cladonia ecmocyna in North America, 54:261-271.
Cladonia subrangiformis in North America, 56:266-272.
[—, 1868-1950], [Biographical sketch], 62:245-250, 1 photo.
Evans, Dan K.
(Mohlenbrock, Robert H. and —), Illinois field and herbarium studies, 74:142-151.
Evers, Robert A.
Setaria faberii in Illinois, 51:391-392.
Andropogon elliottii Chapm. in Illinois, 52:45-46.
Four plants new to the Illinois flora, 53:111-113.
Two plants new to the Illinois flora, 58:49-50.
(Thieret, John W. and —), Notes on Illinois grasses, 59:123-124.
(— and Thieret, John W.), New plant records: Illinois and Indiana, 59:181.
Further notes on the Illinois flora, 60:142-144.
Illinois flora: notes on Eriochloa and Jussiaea, 61:307-309.
Illinois flora: notes on Limnosciadium, Dicliptera and Iresine, 64:282-283.
Illinois flora: notes on Leptochloa and Lycopodium, 66:165-167.
Evolution of Flowering Plants, [Review], 60:262.
Evolution of plant species, Stages in the, [Review], 54:140.
Ewan, Joseph
Some Irish naturalists, [Review], 53:95.
New Zealand botanists, [Review], 53:271-272.
Nuttall's diary of 1810 and some inquirendae, [Review], 54:234-236.
Correa da Serra and American Botany, [Review], 58:45-48.
Humboldt and American Botany, [Review], 58:191-197.
Susan McKelvey's history: an appreciation with some incidental inquirendae and addendae, [Review], 59:182-184.

Contemporary notes on Powell's expeditions in the West, [Review], 63:179-180.
John Bachman and the Happoldt European Journal, [Review], 64:92-94.
Makers of North American Botany, [Review], 64:186-190.
John Goldie and the republication of his diary, [Review], 70: 457-461.
EYDE, RICHARD H.
The discovery and naming of the genus Nyssa, 61:209-218.
(— and TEERI, JAMES A.), Floral anatomy of Rhexia virginica (Melastomataceae), 69:163-178, 11 figs., pls. 1351-1352.

Fagus grandifolia, Southeastern limit of, 69:51.
FAHEY, ELIZABETH M.
The repopulation of intertidal transects, 55:102-108.
FAIRBROTHERS, DAVID E.
Nomenclatural change in the grass genus Echinochloa, 58: 48-49.
FANTZ, PAUL R.
(LEWIS, WALTER H. and —), Tribal classification of Triosteum (Caprifoliaceae), 75:120-121.
FARMER, JOE A.
(— and THOMAS, JOAB L.), Disjunction and endemism in Croton alabamensis, 71:94-103, 1 map, 3 figs.
FARUQI, SHAMIM A.
(—, CELARIER, ROBERT P. and MEHRA, K. L.), The taxonomy of Setcreasea ovata, 64:68-73, 6 figs.
(—, MEHRA K. L. and CELARIER, ROBERT P.), A new species of Setcreasea from Mexico, 64: 329-331.
(— and MEHRA, K. L.), Biosystematics of Setcreasea brevifolia, 72:264-271.
Fasciation in Empetrum nigrum, 66:62.
Fascicle of novelties, A small, 52:61.
FASSETT, NORMAN CARTER
Some notes on Echinochloa, 51: 1-3.
Herbarium technique, 51:59-60.
(JONES, ELIZABETH KIRK and —), Subspecific variation in Sporobolus cryptandrus, 52:125-126.
Callitriche in the New World, 53:137-155, 161-182, 185-194, 209-222, 24 figs., pls. 1167-1175.
Uses of cellulose acetate in the herbarium, 54:286-288.
Temporal variation, 54:303-305, 2 figs.
[—, 1900-1954], [Obituary notice], 56:233-242.
Echinodorus in the American Tropics, 57:133-156, 174-188, 202-212, 18 maps, 76 figs.
FAUST, W. Z.
(— and JONES, S. B., JR.), The systematic value of trichome complements in a North American group of Vernonia (Compositae), 75:517-528, 3 figs.
Fern, A new station for the Massachusetts, 65:309.
Fern allies of Chihuahua, The Ferns and, [Review], 64:347.
Fern allies of New Hampshire, Scamman's Ferns and, [Review], 52:228.
Fern flora of Maryland, Delaware and the District of Columbia, A, [Review], 56:62.
Fern genus Eriosorus, Notes on the, 65:56.
Fern genus Pellaea, Comparison of sexual and apogamous races in the, 70:1.
Fern in Wisconsin, Discovery of the Massachusetts, 67:399.
Fern new to Rhode Island, A, 63:46.
Fern notes V. New combinations in Peruvian species of Thelypteris, Taxonomic, 69:5.
Fern notes VI. New species of American Cyatheaceae, Taxonomic, 74: 441.
Fern notes IV. Some American Vittaroid ferns, Taxonomic, 66:110.
Fern notes, Taxonomic I., 63:70.
Fern Pellaea atropurpurea, Spores, chromosomes and relations of the, 74:220.
Fern Platyzoma microphyllum, Some new aspects of the, 63:91.
FERNALD, MERRITT LYNDON
An abbreviated flora of Maine, [Review], 51:5-8.
A most useful series of illustrations, [Review], 51:31-32.
(— and SCHUBERT, BERNICE G.), Some identities in Breweria, 51:35-43, pls. 1121-1129.
Studies of eastern American plants, 1. Blackberries, old and new, 51:43-51, pls. 1130-1132.

Studies of eastern American plants, 2. Rhizome-characters in and minor forms of Viola, 51: 51-57, pls. 1133-1136.
Studies of eastern American plants, 3. Some varieties in Oenothera, 51:61-70, pls. 1137-1143.
Studies of eastern American plants, 4. Emendations in the order Tubiflorae, 51:70-85, pls. 1144-1145.
Chenopodium hybridum var. standleyanum (Aellen) comb. nov., 51:92.
Studies of eastern American plants, 5. Some northern Astereae, 51:93-103, pls. 1146-1150.
Studies of eastern American plants, 6. Transfers and minor variations, 51:103-104.
Hypericum adpressum, forma spongiosum (Robinson) stat. nov., 51:112.
Grasses of North Carolina (a friendly critique), [Review], 51:124-128.
Charles Alfred Weatherby, botanist and helper of botanists (with portrait), 51:169-179.
(— and SCHUBERT, BERNICE G.), Bibliography of Charles Alfred Weatherby, 51:179-191.
Errors of citation in Agrostis and Convolvulus, 51:192-193.
An indispensable bibliography, [Review], 51:365-367.
Three additions to the flora of Nova Scotia, 52:18-19.
Betula michauxii, a brief symposium, 1. Introductory note, 52: 25-27.
Alchemilla alpina in Colorado, 52: 47-48.
Long life to Alexander W. Evans, 52:49-51.
A small fascicle of novelties, 52: 61-71, pls. 1157-1160.
(— and SCHUBERT, BERNICE G.), Arenaria uniflora, 52:71-72.
Potamogeton oblongus, not. P. polygonifolius, 52:128.
Need for caution regarding certain collections, 52:175-179.
The hybrid of Lysimachia terrestris and L. thyrsiflora, 52:199-201.
Adiantum capillus-veneris in the United States, 52:201-208.
Shrubs of Michigan, [Review], 52:208.
The North American variety of Milium effusum, 52:218-222.
Galium harcynicum; a problem in interpreting the International Rules, 52:222-224.
[Death of —], 52:245.
The validity of the generic name Pteretis, 52:246-247.
The seeming invalidity of some substitutes for the name Habenaria straminea, 52:247-249.
Our American forms of Stellaria alsine, 52:250-251.
Why so many careless books on trees and other plants? 52: 272-279.
Arnica mollis and A. lanceolata, 52:284-288.
Botanizing on the Gaspé Peninsula 1902-1904, 53:1-22.
[—, 1873-1950], [Obituary notice], 53:33-39, pl. 1163.
[— as a botanist], 53:56-61, pl. 1164.
[— as a reviser of Gray's Manual], 53:44-55, 1 fig.
[— as a teacher], 53:39-43.
[— in the field], 53:61-65.
Ferns allied to Sphaeropteris horrida, The American tree, 73:1.
Ferns, An annotated bibliography of Mexican, [Review], 69:62.
Ferns and Fern allies of Chihuahua, The, [Review], 64:347-348.
Ferns and Fern allies of New Hampshire, Scamman's [Review], 52:288.
Ferns, Cytotaxonomic observations of North American, 57:219.
Ferns from Central and South America, New species of, 62:1.
Ferns, Gymnocarpium, New data on North American Oak, 68:121.
Ferns, Notes on Lesser Antillean, 63: 31; — II., 68:464.
Ferns on Bear Mountain, Hebron, New Hampshire, Notable, 73:462.
Ferns: Pellaea atropurpurea and Pellaea glabella var. glabella, Chromosome pairing in obligately apogamous, 75:122.
Ferns, Taxonomic Fern notes IV., Some American Vittaroid, 66:110.
Festuca arundinacea and F. pratensis in the United States, Notes on, 70: 564.
Festuca pratensis in the United States, Notes on Festuca arundinacea and, 70:564.
Filago arvensis in Michigan: a second North American record, 55:228.
Fir, Abies balsamea, Variation in cone morphology of Balsam, 70:83.

FISHER, T. RICHARD
(— and WELLS, JAMES R.), Heteromorphic pollen grains in Polymnia, 64:336-340, pl. 1273.
(SETTLE, WILBUR T. and —), The varieties of Silphium integrifolium, 72:536-543, 3 figs.
Flagellates new to Massachusetts, Desmids and, 69:55.
Fleischmannia and Conoclinium (Compositae, Eupatorieae) in eastern North America, 73:566.
Flora North America launched, [Announcement], 69:63.
Flora, Variance in herbarium specimen identification and other considerations based upon the preparation of a local, 63:207.
Florida, A new species of Justicia from, 61:183.
Florida, A new species of Vicia (Leguminosae) in, 60:256.
Florida, Additions and nomenclatural changes in the flora of southern, 72:17.
Florida, Equisetum from Peninsula, 74:526.
Florida, Hymenocallis littoralis from, 59:99.
Florida, Nomenclatural clarification of two species of Verbesina (Compositae) endemic to, 74:97.
Florida, Observations regarding the occurrence and relationships of Ruella lorentziana (Acanthaceae) in southern, 68:432.
Florida, Occurrence of Murdannia spirata in, 70:571.
Florida, Omissions in key to Xyris in, 63:205.
Florida, Phoradendron rubrum in, 65:190.
Florida, Some preliminary statistics of the flora of southern, 71:495.
Florida, The extended distribution of Eragrostis tracyi from Sanibel Island, 67:312.
Florida, The genus Xyris, in, 62:295.
Florida, The vegetation of Sanibel Island, Lee County, 57:269.
Flowers for laboratory instruction in systematic botany, Deep freezing, 52:289.
FOGG, JOHN M., JR.
Fernald as a teacher, 53:39-43.
Bayard Long (1885-1969), 72:130-136, 1 photo.
FOLKERTS, GEORGE W.
(MOHLENBROCK, ROBERT H., OZMENT, JAMES E. and —), Additions to the flora of Illinois, 64:356-358.
FORE, PAUL L.
(— and MOHLENBROCK, ROBERT H.), Two new Naidads from Illinois and distributional records of the Naiadaceae, 68:216-220.
Forestiera (Oleaceae), Typification of the genus, 60:327; 61:293.
Formaldehyde and alcohol in plant-collecting, A substitute for, 52:123.
Formaldehyde for use in botanical collecting, Paraformaldehyde as a source of, 59:299.
FOSBERG, F. R.
Official plant names? 52:1-7.
Typification of Euphorbia maculata L., 55:241-243.
A buttressed Elm from Ontario, 65:366.
(— and BLUNT, TERRY), Vernon Black Gum Swamp [Vermont], 72:280-282.
FOSTER, ROBERT C.
Some new names in South American Gentiana, 56:103.
Three changed authorities for combinations, 60:86.
Studies in the Iridaceae, VII., 64:291-312.
Studies in the flora of Bolivia III — Cyperaceae, Part I., 67:97-138.
Studies in the flora of Bolivia IV. Gramineae, 68:97-120, 223-240, 241-358.
A new Argentine Sisyrinchium, 72:287.
FOX, WILLIAM B.
(— and GODFREY, R. K.), Notes on distribution of North Carolina plants — I., 51:129-146.
(—, GODFREY, R. K. and BLOMQUIST, H. L.), Notes on distribution of North Carolina plants — II., 52:253-271.
(—, GODFREY, R. K. and BLOMQUIST, H. L.), Notes on distribution of North Carolina plants — III., 54:165-182.
FRALICK, RICHARD A.
(MATHIESON, ARTHUR C., SWAN, EMERY, and —), An abnormal specimen of Laminaria digitata (L.) Lamouroux, 74:127-130, 3 figs.
(MATHIESON, ARTHUR C. and —), Investigations of New England marine algae V. The algal vegetation of the Hampton-Seabrook estuary and the open coast near Hampton, New Hampshire, 74:406.

(MATHIESON, ARTHUR C. and —), Benthic algae and vascular plants of the lower Merrimack River and adjacent shoreline, 75:52-64, 1 fig.
Fraser's Catalogue again, 59:100.
Fraser's Catalogue, Non-validity of Nuttallian names in, 57:290.
Fraser's Catalogue, Nuttall not the author of, 58:281.
Fraser's Catalogue, Validity of Nuttall's names in, 58:23.
Fraser's 1813 Catalogue, On the names in, 70:25.
Freeze-dry technique for the plant collector, A, 70:410.
French's Shooting Star in southern Illinois, 57:325.
FRIDRICH, JAMES H.
(—, RICH, AVERY E. and SHIGO, ALEX L.), Fungi isolated from the fruits and seeds of some northern hardwood trees, 73: 306-308.
FRIEDLANDER, HERBERT
(HODGDON, ALBION R. and —), Additions to the Harris "Flora of Windham, New Hampshire", 51:107-112.
Froelichia gracilis in Maryland, 58: 35.
Frog Spit and Pond Scum, [Review], 53:292.
FULLER, STEPHEN W.
(MATHIESON, ARTHUR C. and —), A preliminary investigation of the benthonic marine algae of the Chesapeake Bay region, 71: 524-534, 1 fig.
Fungi from Massachusetts, Interesting, 61:127.
Fungi isolated from the fruits and seeds of some northern hardwood trees, 73:306.
Fungus flora of northeastern North America, Contributions to the, 62: 186; — II., 64:126; — III., 65:289; — IV., 68:175; — V., 71:177.
Funiculus of Acacia confusa Merrill, The extraordinary, 56:229.

GÄRTNER'S De Fructibus et Seminibus Plantarum, Dates of publication of, 62:81.
GAISER, LULU O.
Further distribution of Butomus umbellatus in the Great Lakes region, 51:385.
Some rarely collected Mexican Brickellias, 54:229-232.
Chromosome studies in Kuhniinae (Eupatorieae) I. Brickellia, 55: 253-267, 269-288, 297-321, 328-345, 89 figs., pls. 1194-1196.
(ZAVITZ, C. HAROLD and —), Notes on Triphora trianthophora in Ontario, 58:31-35.
Galapagos Islands, A new species of Physalis from the, 70:408.
Galapagos Islands, Correction in book review, Flora of the, 75:323.
Galapagos Islands, Flora of the, [Review], 75:140.
GALINAT, WALTON C.
(— and CRAIGHEAD, FRANK C.), Some observations on the dissemination of Tripsacum, 66: 371-374.
Galinsoga ciliata (Compositae): its arrival and spread in the northeastern United States, 72:386.
Galium harcynicum: a problem in interpreting the International Rules, 52:222.
Galium (Rubiaceae), Distributional and nomenclatural notes on, 59:38.
GANGI, DOMINIC P.
(HODGDON, ALBION R. and —), Carya ovalis and Carya glabra in Durham, New Hampshire and vicinity, 51:150-152.
GARAY, LESLIE A.
The present status of the recently described genus Teuscheria, 61: 35-42, 10 figs.
In Memoriam Charles Schweinfurth, 1890-1970, 74:71-75, 1 photo.
GARST, JOHN F.
(DUNCAN, WILBUR H., — and NEECE, GEORGE A.), Trillium persistens (Liliaceae), a new pedicellate-flowered species for northeastern Georgia and adjacent North Carolina, 73:244-248.
Gaspé Peninsula 1902-1904, Botanizing on the, 53:1.
GATES, BURTON N.
An electrical drier for herbarium specimens, 52:129-134, pl. 1162.
Germination of spores of Isoëtes tuckermani A.Br. in their natural habitat, 56:226-227.
Cabomba caroliniana grows in Worcester County, Massachusetts, 60:321-323.
GATES, R. RUGGLES
A conspectus of the genus Oenothera in eastern North America, 59:9-17.
Experiments and observations bearing on evolution in Oenothera, 60:37-40.

Gaultheria procumbens, An albino fruited form of, 63:346.
Gentian of the Desert, The autumnal perennial, 52:68.
Gentiana austromontana, a new species from the southern Appalachians, 66:402.
Gentiana (Gentianaceae), Connate anthers in, 56:133.
Gentiana puberulenta sp. nov., a known but unnamed species of the North American Prairies, 68:209.
Gentiana, Some new names in South American, 56:103.
(Gentianaceae), A revision of Bartonia and Obolaria, 61:43.
(Gentianaceae), A revision of the North American genus Sabatia, 57:1, 43, 78.
(Gentianaceae), Biosystematic studies in the North American genus Sabatia, 73:309.
Geocaulon lividum in New England, 67:407-409.
Georgia, An undescribed dwarf species of Amorpha from, 56:261.
Georgia, Floristic changes with Pitcher Plant habitats in, 66:375.
Georgia, Hedyotis australis in, 65: 271.
Georgia, Shortia galacifolia from, 52: 229.
Georgia and adjacent North Carolina, Trillium persistens (Liliaceae), a new pedicellate-flowered species from northeastern, 73:244.
Geotropism in Chelone, Late negative, 62:173.
Geranium maculatum L.: new for South Dakota, Trillium cernuum L. and, 72:554.
Germination and developmental morphology of seeds in Utricularia cornuta Michx. and Utricularia juncea Vahl, 73:541.
Germination of spores of Isoëtes tuckermani A.Br. in their natural habitat, 56:226.
GIBSON, DOROTHY
Late negative geotropism in Chelone, 62:173.
GIGUERE, P.
(HODGDON, ALBION R., —, KROCHMAL, STANLEY B. and RIEL, A.), New Potamogeton records in New Hampshire, 54:237-246.
GILES, R. A.
(DREW, W. B. and —), Epipactis helleborine (L.) Crantz in Michigan and its general range in North America, 53:240-242.
GILL, L. S.
Chromosome number of Lysimachia ciliata L., 73:556-557, 1 fig.
(— and CHINNAPPA, C. C.), A note on the karyology of Haplopappus spinulosus (Pursh) DC. ssp. typicus, 75:220-224, 8 figs.
GILLESPIE, JAMES P.
(POHL, RICHARD W. and —), Distributional and cytological notes on Salsola collina, 61: 265-267, 1 fig.
GILLETT, GEORGE W.
A systematic treatment of the Phacelia franklini group, 62: 205-222, 5 figs.
Genetic barriers in the Cosmanthus Phacelias (Hydrophyllaceae), 66:359-367, 1 fig.
Genotypic variation in the Phacelia hirsuta complex, 67:42-48, 2 figs.
Genotypic variation in the Phacelia strictiflora complex, 67: 139-145, 3 figs.
GILLETT, JOHN M.
A revision of Bartonia and Obolaria (Gentianaceae), 61: 43-62, 4 maps.
GILLIS, WILLIAM T.
The systematics and ecology of Poison-ivy and the Poison-oaks (Toxicodendron, Anacardiaceae), 73:72-159, 161-237, 370-443, 465-540, 62 figs.
(—, HOWARD, RICHARD A. and PROCTOR, GEORGE R.), Additions to the Bahama flora since Britton and Millspaugh — I., 75:411-425.
Gisekia pharnacioides, a new weed, 63:226.
Glandularity in Rubus allegheniensis Porter, 64:161.
GLASSMAN, SIDNEY F.
Notes on the grass flora of the Chicago region, 59:230-235.
(THIERET, JOHN W. and —), Grasses new to Illinois and the Chicago region, 60:264.
Notes on the grass flora of the Chicago region. II., 63:130-138.
Nomenclatural changes in the family Palmae, 65:259-261.
New records of grasses from the Chicago region and lower Michigan, 65:284-285.
Glaucium flavum Crantz from Cape Cod, 71:540.

GLEASON, H. A.
Pedanticism runs amuck, 57:332-335.
On authors' citation in plant names, 58:88-93.
Two new stations for Carex picta, 60:175.
GLIME, JANICE M.
Zonation of Bryophytes in the headwaters of a New Hampshire stream, 72:276-279.
Glyceria acutiflora in Lee, New Hampshire, Glyceria septentrionalis and, 54:25.
Glyceria septentrionalis and G. acutiflora in Lee, New Hampshire, 54:25.
Gnaphalium supinum, A new Mt. Washington station for, 72:555.
GODFREY, R. K.
A change of status for two species of Chrysopsis, 51:113-115.
(FOX, WILLIAM B. and —), Notes on distribution of North Carolina plants — I., 51:129-146.
(FOX, WILLIAM B., — and BLOMQUIST, H. L.), Notes on distribution of North Carolina plants — II., 52:253-271.
(FOX, WILLIAM B., — and BLOMQUIST, H. L.), Notes on distribution of North Carolina plants — III., 54:165-182.
(WOOD, CARROLL E., JR. and —), Pinguicula (Lentibulariaceae) in the southeastern United States, 59:217-230, 31 figs.
Some identities in Halesia (Styracaceae), 60:86-88, pl. 1231.
(— and KRAL, ROBERT), A new species of Vicia (Leguminosae) in Florida, 60:256-258, 6 figs.
Gisekia parnacioides, a new weed, 63:226-228, 1 fig.
(ADAMS, WILLIAM PRESTON and —), Observations on the Sagittaria subulata complex, 63:247-266, 17 figs.
GOLDIE, JOHN
[— and the republication of his diary], 70:457.
GOODALE, ALFRED SHEPARD
[Obituary notice], 53:183.
GOODMAN, GEORGE J.
A new variety in Saxifraga, 52:183.
A new species of Streptanthus, 58:354-355.
Goodyera tesselata in Rhode Island, 52:279.
Gorgonidium (Araceae), The geographic location of, 65:68.
GOULD, F. W.
(— and LONARD, R. I.), Eragrostis plana in South Carolina, 72:188.
GRAHAM, SHIRLEY A.
A re-evaluation of Cuphea, sect. Leptocalyx, series Bustamantae, 71:481-493, 3 figs.
(Gramineae), A new intergeneric hybrid involving Oryzopsis and Stipa, 59:273.
(Gramineae) from North America, A new species of Calamovilfa, 72:72.
(Gramineae), Illegitimacy of Persoon's species of Koeleria, 58:93.
(Gramineae) in Louisiana and Mississippi, Paspalum minus, 68:94.
(Gramineae) in the United States: taxonomic and floristic status, Arthraxon hispidus, 73:39.
(Gramineae), Phytogeographic notes on Rottboellia, Paspalum and Miscanthus, 65:146.
Gramineae, Studies in the flora of Bolivia, IV., 68:97, 223, 241.
(Gramineae), The authorities for Torreyochloa fernaldii, 52:53.
Grass flora of the Chicago region, Notes on the, 59:230; II., 63:130.
Grass genus Echinochloa, Nomenclatural changes in the, 58:48.
Grasses apparently new to Massachusetts, Three, 62:262.
Grasses from the Chicago region and lower Michigan, New records of, 65:284.
Grasses in Maryland and Delaware, New or additional records of, 56:178.
Grasses new to Essex County, Massachusetts, Two, 61:247.
Grasses new to Illinois and the Chicago region, 60:264.
Grasses, New combinations in, 63:24.
Grasses new to West Virginia, Some, 51:106.
Grasses, Notes on North Texas, 56:25.
Grasses of Boone County, Missouri, Additional notes on, 55:289.
Grasses of North Carolina (a friendly critique), [Review], 51:124.
GRASSHOFF, J. L.
(— and BEAMAN, JOHN H.), Studies in Eupatorium (Compositae) I. Revision of Eupatorium bellidifolium and allied species, 71:566-576, pl. 1429.
(— and BEAMAN, JOHN H.), Studies in Eupatorium (Compositae) II. A new species of

Eupatorium (section Hebeclinum), 71:577-579, pl. 1430.
GRAUSTEIN, JEANNETTE E.
Nuttall in 1815, 56:253-257.
The date of Pursh's Flora Americae Septentrionalis, 56:275.
Nuttall's quarrel with Pursh, 58: 20-22.
Thomas Nuttall naturalist explorations in America 1808-1841, [Review], 70:429-438.
GRAY, ASA
[Thomas Nuttall's controversy with —], 54:293.
[— and Andrew Jackson Downing: a bibliographic note], 58: 243.
Gray's Manual, Misprints and other typographical errors in, 52:280.
Gray's Manual of Botany, The eighth edition of, [Review], 52:226.
Gray's Manual range, Chrysanthemum lacustre Brotero new to, 72: 250.
Gray's Manual range, Magnolia grandiflora in, 66:159.
Gray's Manual range, Notes on some roses in the, 56:70.
Gray's Manual range, Shortia galacifolia in, 58:38.
Gray's Manual range, Stipulicida in, 69:59.
GREAR, JOHN W. JR.
Cytogeography of Orontium aquaticum (Araceae), 68:25-34, 3 figs.
Great Lakes, Notes on nearctic Hepaticae VI. Phytogeographical relationships of critical species in Minnesota and adjacent areas of, 60: 209.
Great Lakes region, Further distribution of Butomus unbellatus in the, 51:385.
Great Plains, New and interesting plants from the, 74:378.
Great Plains species of Cirsium: C. undulatum and C. canescens, Nuttall's, 54:29.
Great Slave Lake area of Canada, A new crucifer from the, 64:324.
GREEN, PETER S.
(— and THOMAS, JOAB L.), The bulbiferous Ranunculus ficaria, 63:289-291.
Watercress in the New World, 64:32-43, 3 figs.
Greenella, Gutierrezia, Gymnosperma and Xanthocephalum (Compositae), The status of the gerera Amphipappus, Amphiacyris, 62:43.
Greenland, A new flora of, [Review], 59:290.
Greenmania: a taxonomic synonym of Unxia (Compositae, Heliantheae), 73:291.
GRISCOM, LUDLOW
Fernald in the field, 53:61-65.
GROSS, A. T. H.
(MARSHALL, H. H., — and STEVENSON, G. A.), Natural hybrids of the Lady's Slippers (Cypripedium) in Manitoba, 68:53-58.
Growth habits of Arabis perstellata, 58:292.
GRUENDLING, GERHARD K.
(— and MATHIESON, ARTHUR C.), Phytoplankton flora of Newfound and Winnisquam Lakes, New Hampshire, 71:444-477, 42 figs.
Guatemala, A new species of Lagenophora (Compositae) from, 67:36.
Guatemalan Compositae, Chromosome numbers in Mexican and, 64:271.
Guatemalan species, Chromosome numbers in the Compositae VI. Additional Mexican and, 64:251.
Guatemalan species, Chromosome numbers in the Compositae. V. Mexican and, 63:121.
Gulf States, Silene virginica in the, 58:27.
Gutierrezia, Gymnosperma and Xanthocephalum (Compositae), The status of the genera Amphipappus, Amphiachyris, Greenella, 62:43.
(Guttiferae), A re-evaluation of the generic status of Ascyrum and Crookea, 63:10.
Guttiferae III. An evaluation of some putative spontaneous garden hybrids in Hypericum sect. Myriandra, Studies in the, 74:276.
Guttiferae II. Taxonomic and distributional observations on North American taxa, Studies in the, 64: 231.
Gymnocarpium, New data on North American Oak Ferns, 68:121.
Gymnosperma and Xanthocephalum (Compositae), The status of the genera Amphipappus, Amphiachyris, Greenella, 62:43.
HABEEB, HERBERT
(— and CALDWELL, JOHN J.), Zoochlorella conductrix occurring in New Brunswick symbiotically with Ophrydium, 51: 4-5, 1 fig.

A new Moss from Nebraska, 51: 128.
Nomenclatural and other notes on Mosses, 52:72-75.
A culinary use for the leaf of Vitis riparia, 52:225-226.
A catalog of fresh-water algae of the Maritime Provinces, [Review], 53:182.
Nomenclatural and other notes on Mosses — II., 54:156-158.
Three interesting algae from New Jersey, 56:41-42.
(— and DROUET, FRANCIS), A second list of freshwater algae chiefly from New Brunswick, 58:117-124.
Habenaria, Chromosome studies in, 71:541.
Habenaria conopsea in North America, 65:241.
Habenaria orbiculata, A study of, 52:61.
Habenaria straminea, The seeming invalidity of some substitutes for the name, 52:247.
HABER, ERICH
Some aberrant Pyrola collections from eastern North America, 72:480-485, 2 figs.
Priority of the binomial Pyrola chlorantha, 74:396-397.
HAGENAH, DALE J.
New records for the Bruce Peninsula, Ontario, 52:41-45.
(WAGNER, WARREN H., JR. and —), A natural hybrid of Polystichum lonchitis and P. acrostichoides from the Bruce Peninsula, 56:1-6, 1 fig., pl. 1198.
(WAGNER, WARREN H., JR. and —), A diploid variety in the Cystopteris fragilis complex, 58:79-87, 1 fig., pl. 1224.
Spore studies in the genus Cystopteris. I. The distribution of Cystopteris with non-spiny spores in North America, 63: 181-193, 2 figs.
HALBIG, LEO E.
(MOHLENBROCK, ROBERT H. and —), The annual species of Houstonia in Illinois, 64:28-31.
Halesia carolina L. in Kentucky, Indiana and Ohio, 69:380.
Halesia (Styracaceae), Some identities in, 60:86.
Halimolobos, A note on, 54:161.
HALL, MARION I.
Nomenclatural notes concerning Juniperus, 56:169-177, 1 pl.
Hamamelis virginiana L. in Minnesota, A new station for, 69:457.
HANES, CLARENCE R.
Allium tricoccum Ait., var. burdickii var. nov., 55:243-244.
Viability of seed of the Black Locust, 58:26-27.
[Obituary Notice], 58:272-273.
Haplopappus divaricatus, Chromosome numbers in races of, 66:63.
Haplopappus from Mexico, A new species of, 63:177.
Haplopappus, section Blepharodon, A new species of, 64:142.
Haplopappus, section Isopappus (Compositae), Taxonomy of, 67:217.
Haplopappus spinulosus (Pursh) DC. ssp. typicus, A note on the karyology of, 75:220.
Happoldt European Journal, John Bachman and the, [Review], 64:92.
HARA, HIROSHI
A note on Chrysosplenium iowense, 51:191-192.
HARDIN, JAMES W.
Studies in the Hippocastanaceae I. Variation within the mature fruit of Aesculus, 57:37-42, pl. 1205.
Studies in the Hippocastanaceae III. A hybrid swarm in the Buckeyes, 59:45-51, 1 fig.
Studies in the Hippocastanaceae IV. Hybridization in Aesculus, 59:185-203, 34 figs.
The status of Lindley's Aesculus neglecta, 62:127-129.
HARDY, JOHN W.
Rudbeckia amplexicaulis Vahl in southern Illinois, 54:119.
HARGRAVES, PAUL E.
Two naturally occurring abnormalities of the diatom Podocystis adriatica, 70:292-294, pl. 1383.
HARLEY, W. J.
A second seation for Stewartia ovata on the Coastal Plain, 63: 206.
HARMS, LARRY J.
New records and notes on plants of Kansas, 66:161-162.
HARMS, VERNON L.
(MCGREGOR, ROLAND L., — and POINDEXTER, JERALD D.), New plant records from Kansas, 63: 146-148.
A second character distinguishing Heterotheca s.str. from Chrysopsis (Compositae: Astereae), 67:86-88, 8 figs.

Application of the name Heterotheca viscida, 70:301-303.
New record for the Yellow Lady's Slipper Orchid, Cypripedium calceolus L. subsp. parviflorum (Salisb.) Hult., from Alaska, 75:491.

HARRIES, HINRICH
(LÖVE, DORIS and —), Streptopus oreopolus Fern., a hybrid taxon, 65:310-317, 1 fig.

HARRIMAN, NEIL A.
Magnolia tripetala L. and Aralia spinosa L. in St. Louis County, Missouri, 71:478-479.
A range extension for Odontites serotina (Lam.) Dum. (Scrophulariaceae), 72:286.
Records on the flora of Wisconsin, 73:60-61.
Records on the flora of Wisconsin, 74:156-157.

Harris "Flora of Windham, New Hampshire", Additions to the, 51: 107.

HARRIS, STUART KIMBALL
(— and BEAN, RALPH C.), Wolffia columbiana in Methuen, Massachusetts, 53:272.
Nelumbo lutea in Essex County, Massachusetts, 60:116.
Cabomba caroliniana in Essex County, Massachusetts, 60:116.
Rorippa sessiliflora in Essex County, Massachusetts, 60:260-261.
A new color form of Solidago sempervirens, 60:261-262.
Elsholtzia ciliata in Essex County, Massachusetts, 61:63.
The northernmost station of Magnolia virginiana, its history and present status, 61:65-70.
Peucedanum palustre, an interesting addition to the flora of Essex County, Massachusetts, 61:181.
Two Crucifers new to Essex County, Massachusetts, 61:187.
Two grasses new to Essex County, Massachusetts, 61:247-248.
Plant lists are where you find them: a list of local flora of Massachusetts published since 1898, 62:20-29.
Sesbania exaltata (Raf.) Cory in Essex County, Massachusetts, 62:234.
Three grasses apparently new to Massachusetts, 62:262-263.
Notes on the flora of Coös County, New Hampshire, 67:195-197.
Geocaulon lividum in New England, 67:407-409.
Notes on the flora of Coös County, New Hampshire, II., 69: 29-34.
(BEAN, RALPH C., HILL, A. F., EATON, RICHARD J. and —), Seventeenth report of the committee on plant distribution, 69:306-318.
(BEAN, RALPH C., HILL, A. F., EATON, RICHARD J. and —), A correction in the sixteenth report of the committee on plant distribution, 69:318.
Notes on the flora of Coös County, New Hampshire, III., 71: 166-174.
[Notice of death], 71:493.
[Biographical sketch], 72:126-129, 1 photo.

HARTLEY, THOMAS G.
Discovery of the Massachusetts Fern in Wisconsin, 67:399-404, pl. 1317.

HARVILL, A. M., JR.
Magnolia grandiflora in Gray's Manual range, 66:159.
The mountain element in the flora of the Peninsula of Virginia, 67:393-398, 9 figs.
Stipulicida in Gray's Manual range, 69:59.
Isotria medeoloides on the Piedmont of Virginia, 71:303-304.
New and overlooked species of the Virginia flora, 72:272-273.
Phytogeography of the Carices of Virginia, 75:248-257, 1 fig.

HAYNES, ROBERT R.
(— and REVEAL, JAMES L.), A re-evaluation of Potamogeton fibrillosus Fern., (Potamogetonaceae), 75:75-77.

Heather, Scotch, 57:337.

HEBERT, HENRY J.-C.
Generic considerations concerning Carphephorus and Trilisa (Compositae), 70:474-485.

Hedyotis australis in Georgia, 65:271.
Hedyotis (Houstonia), Chromosomal races in eastern North American species of, 64:133.
Hedyotis, Merger of the North American Houstonia and Oldenlandia under, 63:216.
Hedyotis minima f. albiflora, 59:85.

Hedyotis procumbens var. hirsuta (Rubiaceae), The status of, 70: 306.
Hedyotis rosea in Arkansas, 58:331.
Hedyotis rosea Raf., The identity of, 55:201.
HEHRE, EDWARD J.
Polanisia dodecandra in New Hampshire, 68:48.
(— and CONWAY, JOAN R.), Glaucium flavum Crantz from Cape Cod, 71:540.
(—, CONWAY, JOAN R. and STONE, RICHARD A.), Flora of the Wolf Islands, Part III, The marine algae, 72:115-118.
(— and MATHIESON, ARTHUR C.), Investigations of New England marine algae III: Composition, seasonal occurrence and reproductive peridiocity of the marine Rhodophyceae in New Hampshire, 72:194-239, 2 figs.
(STONE, RICHARD A., —, CONWAY, JOAN M. and MATHIESON, ARTHUR C.), A preliminary checklist of the marine algae of Campobello Island, New Brunswick, Canada, 72:313-338, 1 map.
(—, HODGDON, ALBION R. and PIKE, RADCLIFFE B.), The Parker Cleaveland Herbarium of Bowdoin College, 74:80-84.
Lomentaria clavellosa (Turner) Gaillon: an addition to the marine algal flora of New Hampshire, 74:158.
HEISER, CHARLES B., JR.
Three new annual Sunflowers (Helianthus) from the southwestern United States, 60:272-283, 4 figs.
(CLEVENGER, SARAH and —), Helianthus laetiflorus and Helianthus rigidus — hybrids or species? 65:121-133, 6 figs.
(— and SMITH, DALE M.), Species in Helianthus II. Polyploid species, 66:344-358, 7 figs.
Nightshades — the paradoxical plants, [Review], 71:561.
Helenium, An unusual hybrid, 62: 343.
Helenium (Compositae), A revision of the vernal species of, 59:101, 128, 168, 203.
Helenium curtisii in Virginia, 51:303.
Helenium in Walter's Flora Caroliniana, The binomials of, 58:311.
Helenium nudiflorum, A yellow-centered form of, 70:454.
Helianthemum (Cistaceae), A revision of the North American species of, 67:63, 201, 255.
Helianthemum (Cistaceae), Palynological notes on American species of, 69:184.
Helianthus atrorubens and H. occidentalis, Natural hybridization of Helianthus longifolius with, 61:140.
Helianthus doronicoides, The hybrid origin of, 58:97.
(Helianthus) from the southwestern United States, Three new annual Sunflowers, 60:272.
Helianthus giganteus L. and related species, Synopsis of, 56:198.
Helianthus laetiflorus and Helianthus rigidus — hybrids or species? 65: 121.
Helianthus longifolius with H. atrorubens and H. occidentalis, Natural hybridization of, 61:140.
Helianthus mollis, Color form of, 55: 108.
Helianthus occidentalis, Natural hybridization of Helianthus longifolius with H. atrorubens and, 61: 140.
Helianthus: II. Polyploid species, Species crosses in, 66:344.
Helianthus rigidus — hybrids or species? Helianthus laetiflorus and, 65:121.
Helleborine (Epipactis helleborine) in Maine, 62:142.
HELLQUIST, C. BARRE
(COLT, L. C., JR. and —), Seventy-five years later, a second station in New England for Micrasterias nordstedtiana, 73:56-57, 1 fig.
Vascular flora of Ossipee Lake, New Hampshire and its shore line, 73:249-261, 1 fig.
(COLT, L. C., JR., — and ZUBRIN, W. J. L.), An interesting association of rare aquatic plants from New Hampshire, 73:296-299.
Range extensions of vascular aquatic plants in New England, 74:131-141.
HAMMERLY, THOMAS E.
(QUARTERMAN, ELSIE and —), Rediscovery of Echinacea tennesseensis (Beadle) Small, 73: 304-305.
HENRY, L. K.
Podophyllum peltatum forma deamii Raymond in western Pennsylvania, 55:20.

Scheuchzeria in western Pennsylvania, 65:34.
HENRY, MARY G.
A new hybrid deciduous Rhododendron, 55:205-208, pl. 1193.
Hepatica in North America, 62:223.
Hepaticae from Virginia, Noteworthy, 59:251.
Hepaticae VI. Phytogeographical relationships of critical species in Minnesota and adjacent areas of Great Lakes, Notes on nearctic, 60: 209, 243.
Heracleum lanatum Michx. of North America to Heracleum sphondylium of Europe, Relationship of, 73:578.
Heracleum sphondylium of Europe, Relationship of Heracleum lanatum Michx. of North America to, 73: 578.
Herbarium of New Salem, Massachusetts, An old local, 54:80.
Herbarium specimen identification and other considerations based upon the preparation of a local flora, Variance in, 63:207.
Herbarium specimens, An electrical drier for, 52:129.
Herbarium specimens, Determination of polyploidy from, 60:89.
Herbarium specimens, New plastic aid in mounting, 52:298.
Herbarium specimens, The Archer method for mounting, 57:294.
Herbarium technique, 51:59.
Herbarium techniques, 62:201.
Herbarium, The Pringle, 75:297.
Herbarium, Uses of cellulose acetate in the, 54:286.
Herbarium, Wallpaper cleaner in the, 61:147.
HERMANN, F. J.
Two new Carices from southeastern United States, 57:156-158.
Range extensions in northwestern plants, 58:278-281.
Euphrasia micrantha new to North America, 60:307-308.
Additions to the bryophyte flora of Keweenaw County, Michigan, 64:121-125.
An eastern variety of Carex fissa (§ Multiflorae), 67:198-199.
The status of Carex incomperta Bickn., 67:361-362.
Notes on Rocky Mountain Carices, 70:419-421.
Further additions to the bryoflora of Mt. Katahdin, Maine, 72: 493-495.
Hermidium (Nyctaginaceae) and Astragalus (Leguminosae) from eastern Utah, Novelties in, 54:158.
HESS, LLOYD W.
(— and DUNN, DAVID B.), Nomenclature of the Lupinus argenteus and L. caudatus complexes, 72:110-114.
HESS, WILLIAM J.
(REVEAL, JAMES L. and —), Variation within Calochortus venustulus (Liliaceae), 74:350-351.
Heteranthera dubia (Jacq.) MacM., A New Hampshire station for, 55: 57.
Heterokontae, A correction in the names of two species of, 58:161.
Heterostyly and homostyly in Lithospermum canescens (Boraginaceae), 63:229.
Heterotheca, section Heterotheca (Compositae), Revision of, 62:61, 97.
Heterotheca s.str. from Chrysopsis (Compositae-Astereae), A second character distinguishing, 67:86.
Heterotheca s.str. from Chrysopsis, Environmental control of a taxonomic character separating, 64: 406.
Heterotheca subaxillaris, Environmental variation in, 63:243.
Heterotheca subaxillaris on Long Island, New York, 56:182.
Heterotheca viscida, Application of the name, 70:301.
Heuchera from Missouri together with some notes on the Heuchera parviflora group, A new, 53:105.
Heuchera parviflora group, A new Heuchera from Missouri together with some notes on the, 53:105.
Hickories in New England, The northern limits of the distribution of, 75:34.
Hickories north of Virginia with notes on the two Pignuts, Carya glabra and C. ovalis, A key to the, 52:188.
Hicoria borealis Ashe, The status of, 51:85.
HILFERTY, FRANK J.
A new bryophyte flora, [Review], 60:176.
The mosses of Massachusetts. A county catalogue with annotations, 62:145-173, 1 map.

HILL, A. F.
(BEAN, RALPH C., KNOWLTON, CLARENCE HINCKLEY and —), Tenth report of the committee on plant distribution, 53:79-89.
(BEAN, RALPH C., KNOWLTON, CLARENCE HINCKLEY and —), Eleventh report of the committee on plant distribution, 58: 125-134.
(BEAN, RALPH C., — and EATON, RICHARD J.), Twelfth report of the committee on plant distribution, 60:297-305.
(BEAN, RALPH C., — and EATON, RICHARD J.), Thirteenth report of the committee on plant distribution, 62:108-116.
(BEAN, RALPH C., — and EATON, RICHARD J.), Fourteenth report of the committee on plant distribution, 63:47-55.
(BEAN, RALPH C., — and EATON, RICHARD J.), Corrections in reports of the committee on plant distribution, 63:348.
(BEAN, RALPH C., — and EATON, RICHARD J.), Fifteenth report of the committee on plant distribution, 64:168-179.
(BEAN, RALPH C., — and EATON, RICHARD J.), Sixteenth report of the committee on plant distribution, 65:26-34.
(—, SCHWEINFURTH, CHARLES and SEYMOUR, FRANK C.), Publication date for the flora of Stoughton, 66:31.
(BEAN, RALPH C., —, EATON, RICHARD J. and HARRIS, STUART KIMBALL), Seventeenth report of the committee on plant distribution, 69:306-318.
(BEAN, RALPH C., —, EATON, RICHARD J. and HARRIS, STUART KIMBALL), A correction in the sixteenth report of the committee on plant distribution, 69:318.
HILL, L. MICHAEL
(— and ROGERS, O. M.), Chromosome numbers of Aster blakei and A. nemoralis, 72:437-438.
(— and ROGERS, O. M.), Chemical, cytological and genetic evidence for the hybrid origin of Aster blakei (Porter) House, 75:1-25, 12 figs.
Himalaya, The flora of eastern, [Review], 69:456.
Hippocastanaceae I. Variation within the mature fruit of Aesculus, Studies in the, 57:37.
Hippocastanaceae III. A hybrid swarm in the Buckeyes, Studies in the, 59:45.
Hippocastanaceae IV. Hybridization in Aesculus, Studies in the, 59:185.
HODGDON, ALBION R.
(— and FRIEDLANDER, HERBERT), Additions to the Harris "Flora of Windham, New Hampshire", 51:107-112.
(— and GANGI, DOMINIC P.), Carya ovalis and Carya glabra in Durham, New Hampshire and vicinity, 51:150-152.
(— and KROCHMAL, STANLEY), Range-extensions and -clarifications in New Hampshire, 52: 160-164.
(WOLFE, LEONARD P., JR. and —), A new form of Rubus allegheniensis, 53:30-32.
Glyceria septentrionalis and G. acutiflora in Lee, New Hampshire, 54:25-27.
(—, GIGUERE P., KROCHMAL, STANLEY B. and RIEL, A.), New Potamogeton records in New Hampshire, 54:237-246.
(— and KROCHMAL, STANLEY B.), A New Hampshire station for Heteranthera dubia (Jacq.) Mac.M., 55:57-58.
(— and STEELE, FREDERIC J.), Pinguicula vulgaris L. in New Hampshire, 55:349-352.
Ilex glabra and a new station for Kalmia latifolia in New Hampshire, 57:34-36.
(PIKE, RADCLIFFE B. and —), A new Rhododendron station in Maine, 60:328-329.
(PIKE, RADCLIFFE B. and —), Naturalized Mugo Pine in New Hampshire, 61:121-123.
(— and PIKE, RADCLIFFE, B.), Rhododendron maximum in New Hampshire, 61:148-150, 181.
Sedum sexangulare in New Hampshire, 61:247.
Cabomba caroliniana in Rockingham County, New Hampshire, 61:248-249.
(STEELE, FREDERIC L. and —), Some additions to the vascular flora of New Hampshire, 61: 268-270.

(— and PIKE, RADCLIFFE B.), Recent changes in some Rhododendron colonies in Maine and New Hampshire, 62:87-93.
(— and PIKE, RADCLIFFE B.), Rhododendron maximum in Hopkinton and Harrisville, New Hampshire, 63:26-29.
(— and PIKE, RADCLIFFE B.), An ecological interpretation of Rhododendron colonies in Maine and New Hampshire, 63:61-70.
Comment from the new editor, 64:97.
(— and PIKE, RADCLIFFE B.), Some additions to the flora of Grand Manan Island, New Brunswick, 64:98-102.
(— and STEELE, FREDERIC L.), Glandularity in Rubus allegheniensis Porter, 64:161-168, 1 fig.
(PIKE, RADCLIFFE B. and —), Changes in flora of the Machias Seal Islands, 64:340-346.
(— and STEELE, FREDERIC L.), Juniperus horizontalis in New Hampshire, 64:351-352.
(PIKE, RADCLIFFE B. and —), The flora of the Wolf Islands, New Brunswick, Part I., 65:82-96, 1 fig.
(STEELE, FREDERIC L. and —), Hybridization of Rubus hispidus and Rubus setosus, 65:262-270, 1 fig.
Editor's note, 65:192.
John Lyon, nurseryman and plant hunter, [Review], 65:283.
(PIKE, RADCLIFFE B. and —), Notes on Great Wass Island, Maine, 65:285.
A strange form of Hypericum canadense, 65:357-358.
Commelina communis in New Hampshire, 65:363.
(— and PIKE, RADCLIFFE B.), Additions to the Wolf Islands flora, 1963, 66:61-62.
Flora of Missouri, [Review], 66:92-94.
(— and PIKE, RADCLIFFE B.), Flora of the Wolf Islands, New Brunswick, Part 2, Some phytogeographic considerations, 66:140-155.
(— and PIKE, RADCLIFFE B.), Additions to the flora of the Wolf Islands, New Brunswick for 1964, 66:413-416.
Mountain Flowers of New England, [Review], 67:84-85.
(— and STEELE, FREDERIC L.), Rubus subgenus Eubatus in New England, 68:474-513.
Revised check-list of the vascular plants of Maine, [Review], 68:521-524.
(CHURCHILL, JOHN A. and —), Saxifraga cernua in New England, 69:485-486.
Added note on Edith Scamman, 71:165.
(— and PIKE, RADCLIFFE B.), Continued botanizing on the Wolf Islands, New Brunswick, 71:297-302.
(—, PIKE, RADCLIFFE B. and TYLER, HARRY R., JR.), More additions to the flora of Grand Manan, New Brunswick, 71:306-308.
(— and PIKE, RADCLIFFE B.), Floristic comparison of three bird islands in the Gulf of Maine, 71:510-523.
Important work on the flora of New England, [Review], 72:137-141.
(STEELE, FREDERIC L. and —), Hybrids in Rubus subgenus Eubatus in New England, 72:240-250.
(STEELE, FREDERIC L. and —), Correction in article on Rubus hybrids, 72:547.
The flora of Vermont, [Review], 73:68-71.
Notable Ferns on Bear Mountain, Hebron, New Hampshire, 73:462-464.
(HEHRE, EDWARD J., — and PIKE, RADCLIFFE B.), The Parker Cleaveland Herbarium of Bowdoin College, 74:80-84.
(— and STEELE, FREDERIC L.), Recent discoveries in the New Hampshire flora, 74:291-294.
Flora of the Galapagos Island, [Review], 75:140-145.
(STEELE, FREDERIC L. and —), Two interesting plants on Mt. Cardigan, Orange, New Hampshire, 75:155-157.
(— and EASTMAN, LESLEY M.), Chimaphila maculata (L.) Pursh in Maine and New Hampshire, 75:162-165.
(MCCAIN, JOHN, PIKE, RADCLIFFE B. and —), The vascular flora of Kent Island, Grand Manan, New Brunswick, 75:311-322.

Correction in book review, Flora of the Galapagos Islands, 75: 323.
The genus Lesquerella (Cruciferae) in North America, [Review], 75:622-623.
HODGSON, H. J.
A new Elymus from Alaska, 58: 144-148, 1 fig.
(MITCHELL, WM. W. and —), Hybridization within the Triticeae of Alaska; a new ×Elyhordeum and comments, 70: 467-473, 2 figs.
Hoffmannseggella, A new species of the Ochid genus, 74:283.
Holcus mollis in New Hampshire, 52: 75.
Holly, Ilex glabra forma leucocarpa: a white-fruited, 58:25.
HOLMSTEDT, BO
(— and SCHULTES, RICHARD EVANS), De plantis toxicariis e Mundo Novo tropicale commentationes. II. The vegetal ingredients of the Myristicaceous snuffs of the Northwest Amazon, 70:113-160, 1 map, 5 figs., pls. 1373-1380.
Holosteum umbellatum L., an angiosperm new to Michigan, 64:222.
Homostyly in Lithospermum canescens (Boraginaceae), Heterostyly and, 63:229.
Hops, The use of vapor fractometry in the analysis of some New England, 64:243.
HOTCHKISS, NEIL
Range extensions of marsh and aquatic plants. 2., 53:91-93.
HOUNSELL, R. W.
(— and SMITH, E. C.), Contributions to the flora of Nova Scotia VIII. Distribution of arctic-alpine and boreal disjuncts, 68:409-419, 12 figs.
(— and SMITH, E. C.), Contributions to the flora of Nova Scotia IX. Habitat studies of arctic-alpine and boreal disjunct species, 70:176-192, 1 map.
Houstonia and Oldenlandia under Hedyotis, Merger of the North American, 63:216.
(Houstonia), Chromosomal races in eastern North American species of Hedyotis, 64:313.
Houstonia in Illinois, The annual species of, 64:28.
Houstonia purpurea group (Rubiaceae), A revision of the, 61:157, 188.
HOWARD, RICHARD A.
The white form of the Fringed Polygala in New Hampshire, 54:292.
The Balanophoraceae in the Caribbean flora, 61:79-81.
(— and DUNBAR, HENRY F.), Additions to the flora of Inagua, The Bahamas, 66:6-15, 1 map.
The persistence of the double-flowered form of Celandine Poppy, 69:179-183.
A freeze-dry technique for the plant collector, 70:410-418.
(GILLIS, WILLIAM T., — and PROCTOR, GEORGE R.), Additions to the Bahama flora since Britton and Millspaugh — I., 75:411-425.
A partial history of the New England Botanical Club, 75: 493-516.
HOWE, M. DORISSE
A yellow-centered form of Helenium nudiflorum, 70:454.
HSI, YU-TSENG
(OWNBEY, GERALD B. and —), Chromosome numbers in some North American species of the genus Cirsium, 65:339-354.
Hudsonia ericoides in the southeastern United States, A range extension for, 70:289.
HULL, EDWIN D.
Two species of Oxybaphus in Indiana, 51:3-4.
Humboldt and American botany, [Review], 58:191.
HUMM, HAROLD J.
(MATHIESON, ARTHUR C., DAWES, CLINTON J. and —), Contributions to the marine algae of Newfoundland, 71:110-159, 1 fig.
HUNNEWELL, FRANCIS WELLES
Diervilla sessilifolia in Virginia, 51:60.
Some grasses new to West Virginia, 51:106-107.
[—, 1880-1964], [Biographical sketch], 66:97-99.
Hydrastis canadensis in New England, 66:94.
(Hydrophyllaceae), Genetic barriers in the Cosmanthus Phacelias, 66: 359.

(Hydrophyllaceae), New species in the Phacelia crenulata group, 74: 451.
Hymenocallis littoralis from Florida, 59:99.
Hymenopappus (Compositae), A cytotaxonomic study of the genus, 58:163, 208, 250, 295.
Hymenopappus filifolius, var. alpestris (Maguire) Shinners, comb. nov., 61:155.
Hymenopappus from Mexico, A new radiate, 59:96.
(Hymenoptera: Apidae) and Tribulus cistoides (Zygophyllaceae), Interactions between Apis mellifera, 74:117.
(Hypericaceae), A revision of the genus Ascyrum, 59:73.
Hypericum adpressum, forma spongiosum (Robinson) stat. nov., 51: 112.
Hypericum canadense, A strange form of, 65:357.
Hypericum in Nova Scotia, Northeastward range extensions for two species of, 57:132.
Hypericum prolificum, The status of, 60:249.
Hypericum prolificum? What is, 54: 205.
Hypericum sect. Myriandra, Studies in the Guttiferae — III. An evaluation of some putative spontaneous garden hybrids in, 74:276.
Hyptis radiata (Labiatae) an illegitimate name, 64:184.
Hyypio, Peter A.
Antennaria rosea Greene in the Lake Superior region, 54:291.

Ilex glabra and a new station for Kalmia latifolia in New Hampshire, 57:34.
Ilex glabra forma leucocarpa; a white-fruited Holly, 58:25.
Ilex in Tennessee, The genus, 53:229.
Ilex, Notes on, 59:20.
Ilex vomitoria, Studies of early specimens and reports of, 53:273.
Illinois, A decade of botanizing in, 63:19.
Illinois, A note on the ascription of Elymus arenarius to, 64:284.
Illinois, Additional collections of Andropogon elliottii Chapm. in southern, 53:128.
Illinois, Additions to the flora of, 64: 356.
Illinois and distributional records of the Naiadaceae, Two new Naiads from 68:216.
Illinois and Indiana, New plant records:, 59:181.
Illinois and Indiana and the Chicago region, Plants new to, 59:31.
Illinois and other records, Diplotaxis tenuifolia in, 66:54.
Illinois and the Chicago region, Grasses new to, 60:264.
Illinois and to the Chicago region, Plants new to, 54:208; 57:265; 59: 289; 61:24.
Illinois, Andropogon elliottii Chapm. in, 52:45.
Illinois, Aquatic vascular plants new for, 68:221.
Illinois, Arctium in, 59:44.
Illinois, Breweria pickeringii in, 56: 274.
Illinois, Buchloë dactyloides in, 60: 259.
Illinois Carex records, New, 60:115.
Illinois collection of Sanguisorba canadensis L., A recent, 65:80.
Illinois, Contributions to the flora of southern, 57:319; 59:125.
Illinois, Dipsacus laciniatus in, 55: 268.
Illinois, Elymus riparius in, 55:156.
Illinois, Epipactis helleborine in, 57: 131.
Illinois, Eragrostis curvula from, 63: 184.
Illinois field and herbarium studies, 74:142.
Illinois, Field and herbarium studies in southern, 60:292.
Illinois flora, Four plants new to the, 53:111.
Illinois flora, Further notes on the, 60:142.
Illinois flora: notes on Eriochloa and Jussiaea, 61:307.
Illinois flora: notes on Leptochloa and Lycopodium, 66:165.
Illinois flora: notes on Limnosciadium, Dicliptera and Iresine, 64: 282.
Illinois, Flora of Winnebago County, [Review], 58:273.
Illinois flora: recent additions, Southern, 57:159.
Illinois flora I. The genus Physostegia, Contributions to an, 65:58.
Illinois flora, Two plants new to the, 58:49.
Illinois, Flowering Arundinaria gigantea in, 54:82.
Illinois, French's Shooting Star in southern, 57:325.
Illinois grasses, Notes on, 59:123.
Illinois, New plant records for, 54: 307.

Illinois, New plant records from, 62: 239.
Illinois, Notes on Cyperaceae from, 61:290.
Illinois or to the Chicago area in Illinois, Plants new to, 51:147.
Illinois, Plant notes from, 60:41.
Illinois, Plants new to Illinois or to the Chicago area in, 51:147.
Illinois, Plants recently found in southern, 55:290.
Illinois, Rudbeckia amplexicaulis Vahl in southern, 54:119.
Illinois, Salicornia europaea in, 51: 11.
Illinois, Setaria faberii in, 51:391.
Illinois, Solidago gymnospermoides in, 70:287.
Illinois, Some notes on the flora of southern, 56:227.
Illinois, The annual species of Houstonia in, 64:28.
Illinois, Vernonia crinita in, 59:119.
Illinois, Western Plains plants in northern, 64:354.
Illinois, Zizaniopsis miliacea from, 64: 283.
Illustrations, A most useful series of, [Review], 51:31.
Iltis, Hugh H.
Studies in the Capparidaceae I. Polanisia dodecandra (L.) DC., the correct name for Polanisia graveolens Rafinesque, 56:65-70, pl. 1201.
Distributional and nomenclatural notes on Galium (Rubiaceae), 59:38-43.
(—, Reed, Jack and Melchert, Thomas), Elymus arenarius and Diarrhena americana in Wisconsin, 62:199-201.
Studies in the Capparidaceae. VIII. Polanisia dodecandra (L.) DC., 68:41-47.
Imshaug, Henry A.
A new species of Neuropogon from the United States, 56: 154-157.
An additional species of the Lichen genus Buellia from the West Indies, 57:323-324.
Inagua, The Bahamas, Additions to the flora of, 66:6.
Indiana and Ohio, Dentaria in, 59: 179.
Indiana and Ohio, Halesia carolina L. in Kentucky, 69:380.
Indiana and the Chicago region, Plants new to Illinois and, 59:31.
Indiana, New plant records: Illinois and, 59:181.
Indiana, Two species of Oxybaphus in, 51:3.
International Botanical Congress, June 23-30, 1975, XII, 74:532.
International plant index, Authors of plant genera and the, [Review], 68: 35.
International rules, Galium harcynicum: a problem in interpreting the, 52:222.
Intertidal transects, The repopulation of, 55:102.
Ipomoea amnicola (Convolvulaceae), a South American waif in Missouri, 67:200.
Iresine, Illinois flora: notes on Limnosciadium, Dicliptera and, 64:282.
Iridaceae, VII., Studies in the, 64: 291.
Iris brevicaulis in Canada, 56:80.
Iris lacustris from Ontario, A white-flowered form of, 74:271.
Iris pseudacorus L. established in the vicinity of London, Ontario, 55: 244.
Iris verna L.: lectotype and variety description, 71:212.
Irish naturalists, Some, [Review], 53:95.
Irwin, H. S.
(Turner, Billie L. and —), Chromosome numbers in the Compositae. II. Meiotic counts for fourteen species of Brazilian Compositae, 62:122-126, 8 figs.
(Turner, Billie L. and —), Chromosome numbers of some Brazilian Leguminosae, 63:16-19, 4 figs.
Isely, Duane
Leguminosae: nomenclatural notes, 59:116.
Isoëtes tuckermani A. Br. in their natural habitat, Germination of spores of, 56:226.
Isotria medeoloides on the Piedmont of Virginia, 71:303.
Isotria medeoloides, Range extension for, 56:275.

Jackson, Ray C.
The hybrid origin of Helianthus doronicoides, 58:97-100, pl. 1225.
A new species of Haplopappus, section Blepharodon, 64:142-143.
(— and Johnson, R. Roy), A new species of Machaeranthera section Psilactis, 69:476-480, pl. 1370.

Jaliscoa, Macvaughiella, Oaxacania and Planaltoa, Studies in the Compositae-Eupatorieae, XV., 72:100.
Jamaica, A new Peperomia from, 61: 218.
Jamaica, B.W.I., A new species of Ternstroemia from, 59:36.
Jamaica, Further new records of Myrtaceae from, 60:323.
Jamaican Eugenias, Notes on some, 59:303.
James Bay region, Salicornia europaea in the, 56:61.
JAMES, CHARLES W.
Notes on the cleistogamous species of Polygala in southeastern United States, 59:51-56.
A new variety of Stipulicida setacea, 59:98.
Generic considerations concerning Carphephorus, Trilisa and Litrisa (Compositae), 60:117-122.
An alternative explanation of subspeciation in Asclepias tuberosa, 61:72-76.
The status and distribution of Elephantopus elatus, 61:309-311, map.
(CHANNELL, R. B. and —), Nomenclatural and taxonomic corrections in Warea (Cruciferae), 66:18-26.
JAYNES, RICHARD A.
Chromosome counts of Kalmia species and revaluation of K. polifolia var. microphylla, 71: 280-284, 5 figs.
American Nut trees, [Review], 71:561.
JENNINGS, O. E.
A range-extension for Sugar Maple, 55:59.
Thelepogon elegans Roth in the Dominican Republic, 60:73.
JIMENEZ, JOSÉ DE JS.
Novelties in the Dominican flora, 62:235-238.
JOHNSON, ALBERT G.
Betula lenta var. uber Ashe, 56: 129-131.
(— and SMITHBERG, MARGARET H.), A new station for Hamamelis virginiana L. in Minnesota, 69:457-459.
JOHNSON, KERMIT L.
Spiranthes ovalis, new for Kansas, 70:485.
Aster parviceps (Burgess) Mack. & Bush and Aster brachyactis Blake, new for Kansas, 72:392.
JOHNSON, MILES F.
Tussilago farfara L. (Senecioneae-Asteraceae) in Virginia, 74:403-405, 1 fig.
JOHNSON, R. ROY
(SMITH, EDWIN B. and —), Microchromosomes in Aphanostephus (Compositae), 66:270-272, 1 fig.
(JACKSON, RAY C. and —), A new species of Machaeranthera section Psilactis, 69:476-480, pl. 1370.
JOHNSON, W. CARTER
Trillium cernuum L. and Geranium maculatum L.: new for South Dakota, 72:564.
JOHNSTON, MARSHALL C.
Croton suaveolens and Croton abruptus (Euphorbiaceae) of western Texas and northern Mexico, 62:77-81.
A new species of Haplopappus from Mexico, 63:177-179.
(— and TURNER, BILLIE L.), Chromosome numbers of Dyssodia (Compositae-Tagetinae) and phyletic interpretations, 64:2-15, 9 figs.
The Noseburn (Tragia, Euphorbiaceae) of western Texas, 64: 137-142.
(CORRELL, DONOVAN S. and —), Manual of the vascular plants of Texas, [Review], 72:533-535.
JONES, ELIZABETH KIRK
(— and FASSETT, NORMAN CARTER), Subspecific variation in Sprobolus cryptandrus, 52:125-126.
JONES, FRED B.
A new Zephyranthes from southern Texas, 63:214-216, 1 fig.
JONES, GEORGE NEVILLE
On the nomenclature of Luzula saltuensis, 53:242-244.
Nomenclature of American Mountain-ash, 55:358-360.
Vernonia crinita in Illinois, 59: 119.
Buchloë dactyloides in Illinois, 60:259-260.
Viola eriocarpa vs. V. pensylvanica, 61:219-220.
A note on the ascription of Elymus arenarius to Illinois, 64:284-285.
JONES, H. G.
A new species of the Orchid genus Hoffmannseggella, 74: 283-286.

JONES, SAMUEL B., JR.
Taxonomy of the narrow-leaved Vernonia of the southeastern United States, 66:382-401, 2 figs.
(— and DUNCAN, W. H.), Chromosome numbers in Vernonia (Compositae), 68:49-52.
Allium ampeloprasum in Alabama, 70:303.
An example of a Vernonia hybrid in a disturbed habitat, 70:486-491, 2 figs.
(ELEUTERIUS, L. N. and —), A floristic and ecological study of Pitcher plant bogs in South Mississippi, 71:29-34.
The taxonomy of Vernonia acaulis, V. glauca and V. noveboracensis (Compositae), 72:145-163, 5 figs.
(FAUST, W. Z. and —), The systematic value of trichome complements in a North American group of Vernonia (Compositae), 75:517-528, 3 figs.
Jones's list of vascular plants from St. Louis County, Minnesota, Some corrections of Professor, 51:167.
JORDAL, LOUIS H.
Plants from the vicinity of Fairbanks, Alaska, 53:156-159.
Contributions to the flora of Alaska, No. 2. Some new entities in the flora of the Brooks Range region, Alaska, 54:35-39.
JOVET, PAUL
(SENAY, PIERRE and —), Betula michauxii, a brief symposium. 3. The type of Betula michauxii, 52:32-33, 1 fig.
JUDD, WILLIAM W.
Iris pseudacorus L. established in the vicinity of London, Ontario, 55:244.
Studies of the Byron bog in southwestern Ontario. XXX. Distribution of Orchids in the bog, 70:193-199.
Juncus coriaceous, Notes concerning, 54:193.
Juncus greenei and Rhus glabra in Quebec, 51:9.
Juncus slwookoörum, a new species from arctic Alaska, 72:486.
Juniperus communis var. saxatilis from Mount Washington, 58:50.
Juniperus horizontalis in New Hampshire, 64:351.
Juniperus, Nomencltural notes concerning, 56:169.
Jussiaea, Illinois flora: notes on Eriochloa and, 61:307.
Justicia from Florida, A new species of, 61:183.
Kallstroemia in the middle Atlantic States, 72:397.
Kalmia latifolia in New Hampshire, Ilex glabra and a new station for, 57:34.
Kalmia polifolia var. microphylla, Chromosome counts of Kalmia species and revaluation of, 71:280.
Kalmia species and revaluation of K. polifolia var. microphylla, Chromosome counts of, 71:280.
Kansas and Nebraska, Vascular plants new for Oklahoma, 73:300.
Kansas, Asper parviceps (Burgess) Mack. & Bush and Aster brachyactis Blake new for, 72:392.
Kansas flora, Additions to the, 71:175.
Kansas, New and interesting vascular plant records from, 62:93.
Kansas, New plant records from, 63:146.
Kansas, New records and notes on plants of, 66:161.
Kansas, Spiranthes ovalis, new for, 70:485.
Kansas, Spiranthes tuberosa, new for, 72:141.
KAWANO, SHOICHI
(CROSSWHITE, FRANK S. and —), Chromosome numbers in Penstemon (Scrophulariaceae) I: new mitotic counts, 67:187-190, 1 fig.
KECK, DAVID DANIEL
(CRONQUIST, ARTHUR, — and MAGUIRE, BASSETT), Validity of Nuttall's names in Fraser's Catalogue, 58:23-24.
KEITH, WILLIAM M., JR.
Analysis of vegetative propagation in Quercus prinoides, 59:306-308.
KELSO, LEON
Steppe, taiga and tundra, [Review], 62:258-262.
Kent Island, Bay of Fundy, On the marine algae of, 74:264.
Kentucky, Flowering plants new to or rare in, 67:180.
Kentucky, Indiana and Ohio, Halesia carolina L. in, 69:380.
Kerguelen Islands, Palynological evidence for the late glacial occurrence of Prnglea and Lyallia, on, 75:239.
Kiaeria starkei in Quebec, The range of, 51:122.

KIANG, Y. T.
Floral structure, hybridization and evolutionary relationship of two species of Mimulus, 75: 225-238, 2 figs.
KIGER, ROBERT W.
Arthraxon hispidus (Gramineae) in the United States: taxonomic and floristic status, 73: 39-46.
A new variety of Leucophyllum laevigatum (Scrophulariaceae) from Mexico, 74:347-349.
KING, JOHN W.
The effects of forced aeration on the longevity of Laminaria, 54: 288-289.
KING, R. M.
(TURNER, BILLIE L., POWELL, M. and —), Chromosome numbers in the Compositae VI. Additional Mexican and Guatemalan species, 64:251-271, 33 figs.
A new species of Senecio from Costa Rica, 67:239-241, pl. 1312.
Studies in the Eupatorieae, (Compositae) I-III. 69:35-47, 11 figs., pls. 1338-1341.
Studies in the Eupatorieae, (Compositae) IV, 69:352-371, 11 figs., pls. 1362-1369.
(— and ROBINSON, H.), Studies in the Compositae-Eupatorieae XV. Jaliscoa, Macvaughiella, Oaxacania and Planaltoa, 72: 100-105.
(— and ROBINSON, H.), Neomirandea allenii, a new epiphytic Composite of the American rain forest, 74:272-275.
KINGSBURY, JOHN M.
(LANCIANI, GRACE D. and —), Soil algae of forty ponds under construction at Ithaca, New York, 67:242-254, 4 figs.
Knapweeds (Centaurea) in Canada and the United States, Distribution of native and introduced, 74:331.
KNIGHT, IVA M.
Range extension for Isotria medeoloides, 56:275-276.
KNOBLOCH, IRVING W.
A case of mistaken identity, or the mysterious C. E. Lloyd, 70: 462-466.
KNOWLTON, CLARENCE HINCKLEY
Rhododendron maximum in New England, 52:215-218.
Rhododendron maximum at Medfield, Massachusetts, 52:279.
(BEAN, RALPH C., — and HILL, A.F.), Tenth report of the committee on plant distribution, 53:79-89.
Alfred Shepard Goodale, 53:183.
(BEAN, RALPH C., — and HILL, A. F.), Eleventh report of the committee on plant distribution, 58:125-134.
[Biographical sketch], 58:157-160.
KOBUSKI, CLARENCE E.
A new species of Ternstroemia from Jamaica, B.W.I., 59:36-38.
Ernest Jesse Palmer, 1875-1962, 64:195-200, pl. 1270.
KOCH, RUDY G.
Additions to the Kansas flora, 71:175-176.
Koeleria (Gramineae), Illegitimacy of Persoon's species of, 58:93.
KOETZNER, KENNETH L.
(— and WOOD, R. D.), On the marine algae of Kent Island, Bay of Fundy, 74:264-271.
KONDO, KATSUHIKO
The chromosome number of Obolaria virginica L. (Gentianaceae), 72:551-553, 2 figs.
Germination and developmental morphology of seeds in Utricularia cornuta Michx. and Utricularia juncea Vahl, 73: 541-547, 9 figs.
KOVANDA, MILOSLAV
Somatic chromosome numbers for some Asteraceae, 74:102-116.
KOWAL, ROBERT R.
(— and BARKLEY, T. M.), Senecio anonymus Wood, an earlier name for Senecio smallii Britton, 75:211-219, 1 fig.
KOYAMA, TETSUO
(— and OLDENBURGER, FEDDO H. F.), Diplacrum africanum newly found in tropical America, 73:159-160.
KRAL, ROBERT
(GODFREY, R. K. and —), A new species of Vicia (Leguminosae) in Florida, 60:256-258, 6 figs.
Herbarium techniques, 62:201-203, pl. 1254.
The genus Xyris in Florida, 62: 295-319, 27 figs.
Omissions in key to Xyris in Florida, 63:205.
Some notes on the flora of the southern states, particularly Alabama and middle Tennessee, 75:366-410.

Krameria: evidence for familial status, Chromosome numbers in the genus, 60:101.
KROCHMAL, STANLEY B.
(HODGDON, ALBION R. and —), Range-extensions and -clarifications in New Hampshire, 52: 160-164.
(HODGDON, ALBION R., GIGUERE, P., — and RIEL, A.), New Potamogeton records in New Hampshire, 54:237-246.
(HODGDON, ALBION R. and —), A New Hampshire station for Heteranthera dubia (Jacq.) MacM., 55:57-58.
KUCERA, C. L.
The genus Lyonia in Missouri, 55:155.
Additional notes on Grasses of Boone County, Missouri, 55: 289-290.
Eragrostis curvula in Missouri, 56:273-274.
A new Tridens record from Missouri, 59:72.
New plant station records in Missouri, 59:240.
(STEYERMARK, JULIAN A. and —), New combinations in grasses, 63:24-26.
KUCYNIAK, JAMES
Does Dicranum arcticum occur in southern central Quebec? 51: 29-30.
The range of Kiaeria starkei in Quebec, 51:122-123.
Kuhnia eupatorioides var. angustifolia (Compositae), Application of the name, 66:160.
(Labiatae), an illegitimate name, Hyptis radiata, 64:184.
Lactuca muralis in New England, 68: 138.
Lady's Slippers (Cypripedium) in Manitoba, Natural hybrids of, 68: 53.
Lady's Slipper Orchid, Cypripedium calceolus L. subsp. parviflorum (Salisb.) Hult. from Alaska, New record for the Yellow, 75:491.
Lagenophora (Compositae) from Guatemala, A new species of, 67: 36.
Lake Superior region, Antennaria rosea in the, 54:291.
LAKELA, OLGA
Some corrections of Professor Jones's list of vascular plants from St. Louis County, Minnesota, 51:167-168.
Two new forms of plants from Minnesota, 52:46-47.
Previously unreported plants from Minnesota, 53:159-160.
Previously unreported plants from Minnesota, 54:163-164.
Previously unrecorded plants from Minnesota with additional place records of rarities, 56:39-41.
The occurrence of Rubus chamaemorus in Minnesota, 56:272-273, pl. 1204.
A new form of Nuphar microphyllum from Minnesota, 58: 76-78.
Rubus chamaemorus in the Canadian Lakehead, 58:327-329, 1 map.
Distribution of Littorella americana in the Mid-Arrowhead region of Minnesota, 60:33-37, 3 figs.
Occurrence of species of Polycarpaea Lam. (Caryophyllaceae) in North America, 64: 179-182.
Annotation of North American Polycarpaea, 65:35-44, 2 figs., pls. 1280-1283.
The identity of Bumelia lacuum Small, 65:280-282, pl. 1288.
The extended distribution of Eragrostis tracyi from Sanibel Island, Florida, 67:312-313.
Occurrence of Murdannia spirata in Florida, 70:571-574, pl. 1403.
Eragrostis domingensis (Pers.) Steud, new to the United States, 71:479-480.
(LONG, ROBERT W., — and BROOME, C. ROSE), Some preliminary statistics of the flora of southern Florida, 71:495-501.
LAKING, L.
Peltandra virginica in Welland County, Ontario, 53:135-136.
LALONDE, FATHER LOUIS-MARIE
A new Amelanchier from eastern Canada, 59:119-122, pl. 1228.
LAMB, I. MACKENZIE
Studies in frutescent Lecideaceae (Lichenized Discomycetes), 56: 105-129, 137-153, 12 figs.
An indispensable manual of tropical marine botany, [Review], 63:57-60.
(— and ZIMMERMANN, MARTIN H.), Marine vegetation of Cape Ann, Essex County, Massachusetts, 66:217-254, 7 figs., pls. 1298-1301.

Laminaria digitata (L.) Lamouroux, An abnormal specimen of, 74:127.
Laminaria, The effects of forced aeration on the longevity of, 54: 288.
LANCIANI, GRACE D.
(— and KINGSBURY, JOHN M.), Soil algae of forty ponds under construction at Ithaca, New York, 67:242-254, 4 figs.
LANE, FRANKLIN C.
A new color form of Triosteum angustifolium, 55:346-347.
LARUE, CARL D.
The propagation of the Camperdown Elm, 54:55-56.
The extraordinary funiculus of Acacia confusa Merrill, 56: 229-230, 1 fig.
LATHROP, EARL
Hedyotis minima f. albiflora, 59: 95.
Lathyrus aphaca L. new to Tennessee and the Southeast, 74:155.
Latin origin, Connecting vowels in epithets of, 69:451.
Leavenworthia aurea, The problem of, 58:73.
Lechea (Cistaceae) in the southeastern United States, The genus, 63: 103.
Lechea (Cistaceae), Notes on Rafinesque's species of, 68:192.
Lecideaceae (Lichenized Discomycetes), Studies in frutescent, 56: 105.
Leguminosae (Caesalpinioideae), Candolleodendron, a new genus of, 68: 432.
Leguminosae, Chromosome numbers of some Brazilian, 63:16.
(Leguminosae): evidence for a conservative treatment, Chromosome numbers in the genus Sesbania, 57: 213.
(Leguminosae) from eastern Utah, Novelties in Hermidium (Nyctaginaceae) and Astragalus, 54:158.
Leguminosae from Utah, An undescribed species of Astragalus, 72: 189.
(Leguminosae), Further considerations in Stylosanthes, 65:245.
(Leguminosae) in Florida, A new species of Vicia, 60:256.
Leguminosae (Mimosoideae) from southern Texas, Calliandra biflora, a new species of, 56:132.
(Leguminosae), Native North American species of Lespedeza, 68:359.
Leguminosae: nomenclatural notes, 59:116.
Leguminosae of Mexico-Faboideae. I. Sophoreae and Podalyrieae, 70:492.
(Leguminosae), Range extensions in the genus Peteria, 59:216.
(Leguminosae), The American barbistyled species of Tephrosia, 51:193, 233, 305, 369.
(Leguminosae), The genus Peteria, 58:344.
(Leguminosae), The identity of Psoralea multijuga Ell., 69:48.
Leguminous genus Stylosanthes, Recent studies in the, 62:340.
LEMAIRE, ROBERT J.
A range extension for Paraphlis incurva, 63:176-177.
Conobea multifida; a new record for Nebraska, 66:280.
Recent plant records for Nebraska, 72:283-284.
(Lentibulariaceae) in the southeastern United States, Pinguicula, 59: 217.
LEONARD, EMERY C.
(MONACHINO, J. and —), A new species of Justicia from Florida, 61:183-187, 1 fig.
(— and SMITH, LYMAN B.), Sanchezia and related American Acanthaceae, 66:313-343, 5 figs.
LEPAGE, ERNEST
Another color form of Epilobium latifolium L., 55:268.
Lepanthes in Mexico, Synopsis of the genus, 61:1.
Lepanthes turialvae: a source of confusion, The name, 60:97.
Leptochloa and Lycopodium, Illinois flora: notes on, 66:165.
Lespedeza (Leguminosae), Native North American species of, 68:359.
Lesquerella angustifolia, On the identity of, 58:199.
Lesquerella (Cruciferae) in North America, The genus, [Review], 75: 622.
Lesquerella (Cruciferae), The auriculate-leaved species of, 57:241.
Lesquerella, Nomenclatural changes in, 74:76.
Lesser Antillean Ferns, Notes on, 63: 31; II., 68:464.
LESTER, DONALD I.
Variation in cone morphology of Balsam Fir, Abies balsamea, 70:83-94, 2 figs.
Leucophyllum laevigatum (Scrophulariaceae) from Mexico, A new variety of, 74:347.
LEWIS, WALTER H.
Minor forms of North American species of Rosa, 60:237-243.

Merger of the North American Houstonia and Oldenlandia under Hedyotis, 63:216-223, 18 figs.
(— and DAVIS, SHIRLEY A.), Cytological observations of Polygala in eastern North America, 64:102-113, 16 figs.
(—, STRIPLING, H. LARRY and ROSS, RICHARD G.), Chromosome numbers for some Angiosperms of the southern United States and Mexico, 64:147-161, 55 figs.
Two new species of Polygala from northern Mexico, 64:225-227.
(— and TERRELL, EDWARD E.), Chromosome races in eastern North American species of Hedyotis (Houstonia), 64:313-323, 2 figs.
Additions to the flora of the Bahama Islands, 73:46-50.
(— and FANTZ, PAUL R.), Tribal classification of Triosteum (Caprifoliaceae), 75:120-121.
LI, HUI-LIN
The genus Tovara (Polygonaceae), 54:19-25.
Liatris, A necessary transfer in, 51:34.
Liatris and Vernonia, White-flowered forms of, 59:23.
Lichen genus Buellia from the West Indies, An additional species of the, 57:323.
(Lichenized Discomycetes), Studies in frutescent Lecideaceae, 56:105, 137.
Lichens of Worcester County, Massachusetts, The fruticose and foliose, 60:74.
(Liliaceae), A new combination in Tofieldia glutinosa, 73:53.
(Liliaceae), a new pedicellate-flowered species from northeastern Georgia and adjacent North Carolina, Trillium persistens, 73:244.
(Liliaceae), A revision of the North American genus Uvularia, 65:158.
Liliaceae from the southeastern States, Some new or otherwise interesting reports of, 63:304.
(Liliaceae), Variation within Calochortus venustulus, 74:350.
Lilium canadense Linnaeus, The variations of, 58:14.
Limnosciadium, Dicliptera and Iresine, Illinois flora: notes on, 64:282.
(Linaceae) of South America, The reevaluation of the genus Cliococca, 73:560.
LINCOLN, ALEXANDER, JR.
A notable assemblage of plants in New Hampshire, 63:294-295.
Linden (Tilia) forest on Cape Cod (with extended notes on Tilia neglecta, Bromus pubescens and Ribes hirtellum), A, 72:339.
Lindera melissaefolia, 51:153.
LINDLEY'S Aesculus neglecta, The status of, 62:127.
LINKE, WILLIAM R., JR.
Drosera filiformis in Connecticut, 65:273.
Linnaean names of some New World species of Euphorbia subgenus Chamaesyce, The application of the, 68:155.
Linum bahamense complex, The, 70:439.
Linum coahuilense, a new species from northern Mexico, 66:278.
Linum hudsonioides, Studies in Linum: L. imbricatum and, 65:50.
Linum imbricatum and L. hudsonioides, Studies in Linum:, 65:50.
Linum: L. imbricatum and L. hudsonioides, Studies in, 65:50.
Linum modestum, a new species from Mexico, 66:406.
Linum, Pollen morphology as a taxonomic tool in, 65:137.
LIOGIER, BROTHER ALAIN H.
Nomenclatural changes and additions to Britton and Wilson's Flora of Porto Rico and the Virgin Islands, 67:315-361.
Further changes and additions to the flora of Porto Rico and the Virgin Islands, 69:372-376.
Liquidambar, Chromosome number in, 74:287.
Listera cordata (L.) R.Br. in the Bruce Peninsula, Ontario, 72:274.
Lithospermum canescens (Boraginaceae), Heterostyly and homostyly in, 63:229.
Litrisa (Compositae), Generic considerations concerning Carphephorus, Trilisa and, 60:117.
LITTLE, ELBERT L., JR.
Mapping ranges of the trees of the United States, 53:195-203.
Preparing specimens of Picea and Tsuga, 54:232-234.
Littorella americana in the Mid-Arrowhead region of Minnesota, Distribution of, 60:33.

LIVINSTON, ROBERT B.
A spurless form of Aquilegia canadensis L., 69:195-197, 1 fig.
Locust, Viability of seed of the Black, 58:26.
LLOYD, C. E.
A case of mistaken identity or the mysterious —, 70:462-466.
LLOYD, ROBERT M.
Tetraploid Pasiflora incarnata in North Carolina, 65:79-80.
LOGUE, JOHN F.
(BOZEMAN, JOHN R. and —), A range extension for Hudsonia ericoides in the southeastern United States, 70:289-292.
Lomatogonium, Note on, 65:364.
Lomentaria clavellosa (Turner) Gaillon: an addition to the marine algal flora of New Hampshire, 74:158.
LONARD, R. I.
(GOULD, F. W. and —), Eragrostis plana in South Carolina, 72:188.
LONG, BAYARD
[Bryophytes of Virginia III. Collections made in southeastern Virginia by —], 53:117-128.
(1885 - 1969), [Biographical sketch], 72:130-136, 1 photo.
LONG, ROBERT W., JR.
Synopsis of Helianthus giganteus L. and related species, 56:198-203.
Dentaria multifida in central Ohio, 58:160-161.
Notes on the distribution of Ohio Compositae: I. Heliantheae, Anthemideae, 60:125-128.
Notes on the distribution of Ohio Compositae: II. Eupatorieae, Senecioneae, Cynareae, Cichorieae, 61:76-79.
A new manual for Ohio Vascular plants, [Review], 63:55-57.
(— and UTTALL, LEONARD J.), Some observations on flowering in Ruellia (Acanthaceae), 64:200-206.
Observations regarding the occurrence and relationships of Ruellia lorentziana (Acanthaceae) in southern Florida, 68:432-434, pl. 1336.
(—, LAKELA, OLGA and BROOME, C. ROSE), Some preliminary statistics of the flora of southern Florida, 71:495-501.
Additions and nomenclatural changes in the flora of southern Florida, 72:17-46.
Longevity of Laminaria, The effects of forced aeration on the, 54:288.
LONGPRE, E. K.
(DEJONG, D. C. D. and —), Chromosome studies in Mexican Compositae, 65:225-240, 35 figs.
Lonicera xylosteum in Missouri, Mentzelia albescens and, 63:118.
Louisiana and Mississippi, Paspalum minus (Gramineae) in, 68:94.
LÖVE, ASKELL
(— and LÖVE, DORIS), Rumex thyrsiflorus new to North America, 59:1-5.
A new botanical masterpiece from Denmark, [Review], 59:269-272.
A new flora of Greenland, [Review], 59:290-292.
A milestone in botanical cartography, [Review], 61:28-33.
Flora and vegetation of the Alps, [Review], 61:150-152.
Some notes on Myriophyllum spicatum, 63:139-145.
LÖVE, DORIS
Cirsium flodmani (Rydb.) Arth., f. albiflorum, forma nova, 55:362-363.
(LÖVE, ÁSKELL and —), Rumex thyrsiflorus new to North America, 59:1-5.
(— and BERNARD, FRÈRE JEAN-PAUL), Rumex stenophyllus in North America, 60:54-57, 1 fig.
The red-fruited Crowberries in North America, 62:265-292, 7 figs.
A useful multilingual botanical dictionary, [Review], 63:291-294.
(— and HARRIES, HINRICH), Streptopus oreopolus Fern., a hybrid taxon, 65:310-317, 1 fig.
LOWDEN, RICHARD M.
Revision of the genus Pontederia L., 75:426-487, 25 figs.
Ludwigia natans (Onagraceae), An earlier name for, 67:83.
Luminous Moss, A Rhode Island station for, 71:305.
Lupinus argenteus and L. caudatus complexes, Nomenclature of the, 72:110.
Lupinus caudatus complexes, Nomenclature of the Lupinus argenteus and, 72:110.
Lupinus mexicanus Cerv. ex Lag., 74:489.
Luzula acuminata, The varieties of, 64:74.

Luzula saltuensis, On the nomenclature of, 53:242.
Lyallia on Kerguelen Islands, Palynological evidence for the late glacial occurrence of Pringlea and, 75:239.
Lycopodium, Illinois flora: notes on Leptochloa and, 66:165.
Lycopus europaeus (European Water-Horehound) in North America, Distributional history of, 72:351.
Lygodium palmatum vs. urbanization, 58:270.
LYON, JOHN
—, nurseryman and plant hunter, [Review], 65:283.
Lyonia in Missouri, The genus, 55:155.
Lysimachia ciliata L., Chromosome number of, 73:556.
Lysimachia terrestris and L. thyrsiflora, The hybrid of, 52:199.
Lysimachia thyrsiflora, The hybrid of Lysimachia terrestris and, 52:199.
MCCAIN, JOHN
(—, PIKE, RADCLIFFE B. and HODGDON, ALBION R.), The vascular flora of Kent Island, Grand Manan, New Brunswick, 75:311-322.
MCCLURE, F. A.
A new feature in Bamboo rhizome anatomy, 65:134-136, pl. 1884.
MCCOLLUM, GILBERT D.
(OWNBEY, MARION and —), The chromosomes of Tragopogon, 56:7-21, 50 figs.
MACDONALD, M. E.
(MACDONALD, ROBERT D. and —), A new method for maintaining the cones of Abies and Cedrus intact for study and storage, 68:516-517, pl. 1337.
MACDONALD, ROBERT D.
(— and MACDONALD, M. E.), A new method for maintaining the cones of Abies and Cedrus intact for study and storage, 68:516-517, pl. 1337.
Yellow-fruited Cornus florida — cultivar or form? 70:568-571.
MCDOWELL, G. W.
(DUNCAN, WILBUR H., VENARD, HASKELL and —), Shortia galacifolia from Georgia, 52:229-232, 1 map.
McGonagall Mountain area, Some plants of Mount McKinley National Park, 55:245.
MCGREGOR, RONALD L.
New and interesting vascular plant records from Kansas, 62:93-95.
A new form of Astragalus mollissimus, 62:116.
(—, HARMS, VERNON L. and POINDEXTER, JERALD D.), New plant records from Kansas, 63:146-148.
(—, MAGRATH, LAWRENCE K. and WEEDON, RONALD R.), New and interesting plants from the Great Plains, 74:378-388.
MACKEEVER, FRANK C.
A variegated foliage form of Commelina, 63:88-90.
An albino fruited form of Gaultheria procumbens, 63:346-347.
An albino fruited form of Vaccinium macrocarpon, 64:350-351.
MCKELVEY'S history: an appreciation with some incidental inquirendae and addendae, Susan, [Review], 59:182.
McKinley National Park, McGonagall Mountain area, Some plants of, 55:245.
Machaeranthera section Psilactis, A new species of, 69:476.
Machias Seal Islands, Changes in flora of the, 64:340.
Mackenzie, Northwest Territories, Life-forms in the Plains flora of southern, 65:149.
MCVAUGH, ROGERS
Nomenclatural and taxonomic notes on Mexican Compositae, 74:495-516.
Macvaughiella, Oaxacania and Planaltoa, Studies in the Compositae-Eupatorieae XV. Jaliscoa, 72:100.
Magnolia grandiflora in Gray's Manual range, 66:159.
Magnolia tripetala L. and Aralia spinosa L. in St. Louis County, Missouri, 71:478.
Magnolia virginiana, its history and present status, The northernmost station of, 61:65.
MAGRATH, LAWRENCE K.
Spiranthes tuberosa, new for Kansas, 72:141.
(MCGREGOR, RONALD, — and WEEDON, RONALD R.), New and interesting plants from the Great Plains, 74:378-388.
Vascular plants new for Oklahoma, Kansas and Nebraska, 73:300-304.

MAGUIRE, BASSETT
Studies in the Caryophyllaceae — IV. A synopsis of the North American species of the subfamily Silenoideae, 52:233-245.
On the application of the name Arnica lessingii (Torrey and Gray) Greene, 52:281-283.
(CRONQUIST, ARTHUR, KECK, DAVID DANIEL and —), Validity of Nuttall's names in Fraser's Catalogue, 58:23-24.
Arenaria rossii and some of its relatives in America, 60:44-53.
Maine, A new Rhododendron station in, 60:328.
Maine, A second occurrence for Triphora trianthophora (Sw.) Rydb. in, 74:141.
Maine, An abbreviated flora of, [Review], 51:5.
Maine and New Hampshire, An ecological interpretation of Rhododendron colonies in, 63:61.
Maine and New Hampshire, Chimaphila maculata (L.) Pursh in, 75:162.
Maine and New Hampshire, Recent changes in some Rhododendron colonies in, 62:87.
Maine, Basicladia in, 51:232.
Maine flora, Some new locals in the, 75:166.
Maine, Floristic comparison of three bird islands in the Gulf of, 71:510.
Maine, Further additions to the bryoflora of Mt. Katahdin, 72:493.
Maine, Further light on Aaron Young Jr's Flora of, 55:293.
Maine, Helleborine (Epipactis helleborine) in, 62:142.
Maine, Note on Primula laurentiana in, 65:286.
Maine, Notes on Great Wass Island, 65:285.
Maine, Revised check-list of the vascular plants of, [Review], 68:521.
Maine, The flora of Isle au Haut, 72:505.
Maine, Triphora trianthophora (Sw.) Rydb. in, 71:509.
Makers of North American Botany, [Review], 64:186.
(Malvaceae), A reconsideration of Sidopsis Rydberg and notes on Malvastrum A. Gray, 69:9.
(Malvaceae), Some chromosome numbers in the genus Callirhoë, 58:100.
Malvastrum A. Gray (Malvaceae), A reconsideration of Sidopsis Rydberg and notes on, 69:9.
Manchester Museum, Perlustrationes Plantarum Arcticarum II: 'Parry Plants' in the, 54:45.
Mandarin, a notable addition to the flora of Arkansas, The Yellow, 74:523.
MANGALY, JOSE K.
A cytotaxonomic study of the herbaceous species of Smilax: section Coprosmanthus, 70:55-82, 247-273, 25 figs.
Manitoba, Additions and extensions to the flora of, 58:321.
Manitoba, Natural hybrids of the Lady's Slippers (Cypripedium) in, 68:53.
MANNING, WAYNE E.
The status of Hicoria borealis Ashe, 51:85-89.
A key to the Hickories north of Virginia with notes on the two Pignuts, Carya glabra and C. ovalis, 52:188-199.
A second record for the Giant Chickweed, Myosotodon aquaticum, in New Hampshire, 73:19.
The northern limits of the distribution of Hickories in New England, 75:34-52, 8 maps.
Manual of Tropical Marine botany, An indispensable, [Review], 63:57.
Maple, A range-extension for Sugar, 55:59.
Maples, Chromosome number in Striped and Mountain 64:281.
Mapping ranges of the trees of the United States 53:195.
MARCHAND, PETER J.
Wind and the winter-exposed plant, 74:528-531.
Marine algae (cf. entries under Algae).
Marine algal (cf. entries under Algal).
Marine botany, An indispensable manual of tropical, [Review], 63:57.
Marine vegetation of Cape Ann, Essex County, Massachusetts, 66:217.
Maritime Provinces, A catalogue of fresh-water algae of the, [Review], 53:182.
Marsh and aquatic plants. 2., Range extensions of, 53:91.
MARSHALL, H. H.
(—, GROSS, A. T. H. and STEVENSON, G. A.), Natural hybrids of Lady's Slippers (Cypripedium) in Manitoba, 68:53-58.
Martha's Vineyard, Crooked Oaks on Cape Cod and, 57:132.

MARTIN, WILLIAM C.
(SMITH, DALE M. and —), Natural hybridization of Helianthus longifolius with H. atrorubens and H. occidentalis, 61:140-147, 1 fig.
Maryland and Delaware, New or additional records of grasses in, 56: 178.
Maryland, Cycloloma in, 59:160.
Maryland, Delaware, and the District of Columbia, A Fern flora of, [Review], 56:62.
Maryland, Froelichia gracilis in, 58: 35.
Maryland including the Chesapeake Bay area, The marine algae of Virginia and, 75:258.
Maryland, Mazus reptans (Scrophulariaceae) in, 64:229.
Maryland, Tussilago farfara in, 53: 93.
Massachusetts, A county catalogue with annotations, The mosses of, 62:145.
Massachusetts, A list of Algae from selected areas in, 63:275.
Massachusetts, A note on Ceratophyllum demersum and C. echinatum in Worcester County, 56:257.
Massachusetts, A rare blue-green alga from, 66:163.
Massachusetts, An old local herbarium of New Salem, 54:80.
Massachusetts and the North Carolina Outer Banks, A floristic comparison of Lower Cape Cod, 70:215.
Massachusetts, Benthic salt marsh algae at Ipswich, 73:262.
Massachusetts, Cabomba caroliniana grows in Worcester County, 60:321.
Massachusetts, Cabomba caroliniana in Essex County, 60:116.
Massachusetts, Carex molesta in, 59: 33.
Massachusetts, Dalea alopecuroides on Plum Island, Essex County, 52: 299.
Massachusetts, Echinochloa walteri in Concord, 59:262.
Massachusetts, Elsholtzia ciliata in Essex County, 61:63.
Massachusetts Fern, A new station for the, 65:309.
Massachusetts Fern in Wisconsin, Discovery of the, 67:399.
Massachusetts, Flagellates and Desmids new to, 69:55.
Massachusetts Herbarium, The old, 55:7.
Massachusetts?, How many species of vascular plants grow without cultivation in, 55:361.
Massachusetts, Interesting fungi from, 61:127.
Massachusetts, Marine vegetation of Cape Ann, Essex County, 66:217.
Massachusetts, Nelumbo lutea in Essex County, 60:116.
Massachusetts, Nostoc parmelioides in, 64:358.
Massachusetts, Notes on the flora of Penikese Island, 63:149.
Massachusetts, Peucedanum palustre again in, 73:460.
Massachusetts, Peucedanum palustre, an interesting addition to the flora of Essex County, 61:181.
Massachusetts, Publication date for the flora of Stoughton, 66:31.
Massachusetts published since 1898, Plant lists are where you find them; a list of local floras of, 62:20.
Massachusetts, Rhododendron maximum at Medfield, 52:279.
Massachusetts, Rorippa sessiliflora in Essex County, 60:260.
Massachusetts, Seasonal occurrence and ecology of salt marsh phanerogams at Ipswich, 70:422.
Massachusetts, Sesbania exaltata (Raf.) Cory in Essex County, 62: 234.
Massachusetts, Some interesting records from eastern, 60:316.
Massachusetts, Status of Phragmites communis Trin. var. berlandieri (Fourn.) Fernald along the Sudbury River in eastern, 54:135.
Massachusetts, The flora of Monomoy Island, 71:18.
Massachusetts, The fruticose and foliose Lichens of Worcester County, 60:74.
Massachusetts, The spontaneous flora of an old house-lot in eastern, 60: 61.
Massachusetts, Three grasses apparently new to, 62:262.
Massachusetts, Two Crucifers new to Essex County, 61:187.
Massachusetts, Two grasses new to Essex County, 61:247.
Massachusetts, Two unusual plants in Essex County, 55:248.
Massachusetts with special reference to the collection of Charles Albert Robbins, List of the Cladoniae of southeastern, 74:254.
Massachusetts, Wolffia columbiana in Methuen, 53:272.

Massachusetts, I. Zonation and distribution of algal species, The ecology of benthic salt marsh algae at Ipswich, 74:475.
MASSEY, A. B.
Cycloloma in Maryland, 59:160.
Alternanthera in Virginia, 59: 239.
The Blessed Thistle in Virginia, 62:233-234.
Bunias erucago in Virginia, 62: 293.
MATHIESON, ARTHUR C.
(—, DAWES, CLINTON J. and HUMM, HAROLD J.), Contributions to the marine algae of Newfoundland, 71:110-159, 1 fig.
(GRUENDLING, GERHARD K. and —), Phytoplankton flora of Newfound and Winnisquam Lakes, New Hampshire, 71: 444-477, 42 figs.
(— and FULLER, STEPHEN W.), A preliminary investigation of the benthonic marine algae of the Chesapeake Bay region, 71: 524-534, 1 fig.
(HEHRE, EDWARD J. and —), Investigations of New England marine algae III: composition, seasonal occurrence and reproductive peridiocity of the marine Rhodophyceae of New Hampshire, 72:194-239, 2 figs.
(STONE, RICHARD A., HEHRE, EDWARD J., CONWAY, JOAN M. and —), A preliminary checklist of the marine algae of Campobello Island, New Brunswick, Canada, 72:313-318, 1 map.
(—, SWAN, EMERY F. and FRALICK, RICHARD A.), An abnormal specimen of Laminaria digitata (L.) Lamouroux, 74: 127-130, 3 figs.
(— and FRALICK, RICHARD A.), Investigations of New England marine algae V. The algal vegetation of the Hampton-Seabrook Estuary and the open coast near Hampton, New Hampshire, 74:406-435, 3 figs.
(— and FRALICK, RICHARD A.), Benthic algae and vascular plants of the lower Merrimack River and adjacent shoreline, 75:52-64, 1 fig.
May-apple, Color-forms of the, 54:131.
MAYCOCK, PAUL F.
Tiarella cordifolia in Wisconsin, 58:309-310.
Mazus reptans (Scrophulariaceae) in Maryland, 64:229.
(Medicago) found wild in the United States, Authorship and nomenclature of Bur Clovers, 58:1.
Medicago polymorpha var. vulgaris, 58:310.
Medical botany, The widening panorama in, 65:97.
MEHRA, K. L.
(CELARIER, ROBERT P. and —), Determination of polyploidy from herbarium specimens, 60: 89-97, 8 figs.
(FARUQI, SHAMIN A., CELARIER ROBERT P. and —), The taxonomy of Setcreasea ovata, 64: 68-73, 6 figs.
(FARUQI, SHAMIM A., — and CELARIER, ROBERT P.), A new species of Setcreasea from Mexico, 64:329-331.
(FARUQI, SHAMIM A. and —), Biosystematics of Setcreasea brevifolia, 70:264-271.
MEISSNER, PHILIP G.
A note on Ceratophyllum demersum and C. echinatum in Worcester County, Massachusetts, 56:257-258.
Melampodium (Compositae; Heliantheae), Revision of the genus, 74:1, 161.
Melampyrum lineare and a note on its seed color, The parasitic behavior of, 64:15.
Melanthera (Compositae), A revision of North American and Caribbean, 75:169.
(Melastomataceae), Floral anatomy of Rhexia virginica, 69:163.
MELCHERT, T.
(ILTIS, HUGH H., REED, JACK and —), Elymus arenarius and Diarrhena americana in Wisconsin, 62:199-201.
MELLINGER, MARIE
(DUNCAN, WILBUR H. and —), Edgeworthia (Thymelaeaceae) new to the Western Hemisphere, 74:436-439.
Mentzelia albescens and Lonicera xylosteum in Missouri, 63:118.
MENZEL, MARGARET Y.
What is Physalis variovestita? 62:117-121.

MERILÄINEN, JOUKO
Najas minor All. in North America, 70:161-175, 27 figs.
Merrimack River and adjacent shoreline, Benthic algae and vascular plants of the lower, 75:52.
Mexican and Guatemalan Compositae, Chromosome numbers in, 64:271.
Mexican and Guatemalan species, Chromosome numbers in the Compositae V., 63:121.
Mexican and Guatemalan species, Chromosome numbers in the Compositae VI., Additional, 64:251.
Mexican Brickellias, Some rarely collected, 54:229.
Mexican Ferns, An annotated bibliography of, [Review], 69:62.
Mexican Compositae, Nomenclatural notes and taxonomic notes on, 74:495.
Mexican Cruciferae, Some new primitive, 58:148.
Mexico, A new radiate Hymenopappus from, 59:96.
Mexico, A new species of Asterella from, 68:470.
Mexico, A new species of Haplopappus from, 63:177.
Mexico, A new species of Ratibida (Compositae) from, 66:267.
Mexico, A new species of Samolus (Primulaceae) from, 60:1.
Mexico, A new species of Setcreasea from, 64:329.
Mexico, A taxonomic study of the genus Physalis in North America north of, 60:107, 128, 152.
Mexico and the United States, Some floristic relationships between, 56:181.
Mexico and western Texas, Miscellaneous Cruciferae of, 59:61.
Mexico, Central America and the West Indies, Physalis in, 69:82, 203, 319.
Mexico, Chromosome numbers for some Angiosperms of the southern United States and, 64:147.
Mexico, Correll's Native Orchids of North America north of, [Review], 53:247.
Mexico, Croton suaveolens and Croton abruptus (Euphorbiaceae) of western Texas and northern, 62:77.
Mexico — Faboideae. I. Sophoreae and Podalyrieae, Leguminosae of, 70:492.
Mexico, Linum coahuilense, a new species from northern, 66:278.
Mexico, Linum modestum, a new species from, 66:406.
Mexico, Separotheca, a new genus (Commelinaceae) from, 61:136.
Mexico, Some Sisymbriums (Cruciferae) native to Texas and northeastern, 62:55.
Mexico, Synopsis of the genus Lepanthes in, 61:1.
Mexico, Tovara in, 54:305.
Mexico, Two new species of Polygala from northern, 64:225.
Micheliella verticillata in Ohio, 66:275.
Michigan: a second North American record, Filago arvensis in, 55:228.
Michigan, Additions to the bryophyte flora of Keweenaw County, 64:121.
Michigan and its general range in North America, Epipactis helleborine (L.) Crantz in, 53:240.
Michigan, Bidens connata var. gracilipes Fern. in western, 63:145.
Michigan, Holosteum umbellatum L., an angiosperm new to, 64:222.
Michigan, Hybrid Aspens in the Lower Peninsula of, 63:311.
Michigan, New records of grasses from the Chicago region and lower, 65:284.
Michigan records for Sarracenia purpurea forma heterophylla, Some, 58:203.
Michigan, Shrubs of, [Review], 52:208.
Michigan with the description of a new intermediate taxon, Perennial Ragweeds (Ambrosia) in, 60:177.
Micrasterias nordstedtiana, Seventy-five years later, a second station in New England for, 73:56.
Microcoleus lyngbyaceus (Kütz.) Crouan from marine habitats in New England, Observations on, 73:238.
MIKULA, BERNARD
(BALDWIN, J. T. JR., SPEESE, BERNICE M. and —), Chromosomes of Trillium pusillum Michx., var. virginianum Fernald, 51:368, 1 fig.
MILDNER, R.
(ROGERS, C. MARVIN and —), The reevaluation of the genus Cliococca (Linaceae) of South America, 73:560.
Milium effusum, The North American variety of, 52:218.

MILLER, KIM I.
(WEBSTER, GRADY L. and —), The genus Reverchonia (Euphorbiaceae), 65:193-207, 6 figs.
(— and WEBSTER, GRADY L.), A preliminary revision of Tragia (Euphorbiaceae) in the United States, 69:241-305, 29 figs. pl. 1356.
Mimulus, Floral structure, hybridization and evolutionary relationship of two species of, 75:225.
Minnesota, A floristic study of Cook County, northeastern, 55:21, 63, 116, 161.
Minnesota A new form of Nuphar microphyllum from, 58:76.
Minnesota, A new station for Hamamelis virginiana L. in, 69:457.
Minnesota and adjacent areas of the Great Lakes, Notes on Nearctic Hepaticae VI. Phytogeographical relationships of critical species in, 60:209, 243.
Minnesota, Carex aenea Fernald (typical) in Cook County, 56:231.
Minnesota, Distribution of Littorella americana in the Mid-Arrowhead region of, 60:33.
Minnesota flowering plants with notes on additions to the flora, Studies of, 52:54.
Minnesota, Notes on flowering plants in, 59:6.
Minnesota, Notes on the distinction between the broad- and narrow-leaved Antennarias of, 60:306.
Minnesota, Previously unreported plants from, 53:159; 54:163.
Minnesota, Some corrections of Professor Jones's List of vascular plants from St. Louis County, 51:167.
Minnesota, The occurrence of Rubus chamaemorus in, 56:272.
Minnesota, Two new forms of plants from, 52:46.
Minnesota with additional place records of rarities, Previously unreported plants from, 56:39.
Miscanthus (Gramineae), Phytogeographic notes on Rottboellia, Paspalum and, 65:146.
MISH, LAWRENCE R.
List of the Cladoniae of southeastern Massachusetts with special reference to the collection of Charles Albert Robbins, 74:254-263.
Misprints and other typographical errors in Gray's Manual, 52:280.
Mississippi, A disjunct community of Chestnut Oak in, 63:324.
Mississippi, A floristic and ecological study of Pitcher Plant bogs in south, 71:29.
Mississippi, Allium ampeloprasum in, 69:61.
Mississippi, Eulophia ecristata and Epidendrum conopseum in, 67:48.
Mississippi, Paspalum minus (Gramineae) in Louisiana and, 68:94.
Mississippi, Rhapidophyllum hystrix in, 74:525.
Missouri, A hybrid Amorpha and new forms and records from, 55:157.
Missouri, A new Tridens record from, 59:72.
Missouri, Additional notes on grasses of Boone County, 55:289.
Missouri, Adventitious and escaped plants new to, 59:27.
Missouri, An unusual botanical area in, 60:205.
Missouri, Calamagrostis insperata in, 56:43.
Missouri, ×Carex deamii in, 60:174.
Missouri, Eragrostis curvula in, 56:273.
Missouri flora, New combinations and forms in the, 62:130.
Missouri, Flora of, [Review], 66:92.
Missouri, Ipomoea amnicola (Convolvulaceae), a South American waif in, 67:200.
Missouri, Magnolia tripetala L. and Aralia spinosa L. in St. Louis County, 71:478.
Missouri, Mentzelia albescens and Lonicera xylosteum in, 63:118.
Missouri, New plant station records in, 59:240.
Missouri Ozark region, Another Coastal Plain relict in the, 55:15.
Missouri Ozarks, Dodecatheon amethystinum and forma margaritaceum in the, 55:226.
Missouri plant-records (1946-1948), New, 51:115.
Missouri plant records (1949-1951), New, 54:250.
Missouri, Plants new to, 57:310.
Missouri, The discovery and destruction of Callicarpa americana in, 55:238.
Missouri, The genus Lyonia in, 55:155.
Missouri together with some notes on the Heuchera parviflora group, A new Heuchera from, 53:105.

Mistletoe on Persimmon, 51:105.
Misuse of the term taxon, The, 59:43.
MITCHELL, RICHARD S.
A re-evaluation of Polygonum meisnerianum in North America, 72:182-188, 2 figs.
MITCHELL, WM. W.
(— and HODGSON, H. J.), Hybridization within the Triticeae of Alaska: a new ×Elyhordeum and comments, 70:467-473, 2 figs.
MOHLENBROCK, ROBERT H.
Some notes on the flora of southern Illinois, 56:227-228.
Contributions to the flora of southern Illinois, 57:319-322.
(— and VOIGT, JOHN W.), Contributions to the flora of southern Illinois, 59:125-128.
Field and herbarium studies in southern Illinois, 60:292-297.
(— and VOIGT, JOHN W.), New plant records from Illinois, 62: 239-241.
Recent studies in the Leguminous genus Stylosanthes, 62:340-343.
A decade of botanizing in Illinois, 63:19-24.
(— and HALBIG, LEO E.), The annual species of Houstonia in Illinois, 64:28-31.
(—, OZMENT, JAMES E. and FOLKERTS, GEORGE W.), Additions to the flora of Illinois, 64:356-358.
Contributions to an Illinois flora, I. The genus Physostegia, 65: 58-64.
Further considerations in Stylosanthes (Leguminosae), 65: 245-258, 30 figs.
(FORE, PAUL L. and —), Two new Naiads from Illinois and distributional records of the Naiadaceae, 68:216-220.
(— and EVANS, DAN K.), Illinois field and herbarium studies, 74:142-151.
MOLDENKE, HAROLD N.
Curlygrass in New York State, 62:294.
MONACHINO, JOSEPH
Yonkers Wool Mill plant records, 58:43-45.
Adventive plants in New York, 59:17-20.
Elatine triandra in New York, 60:58-59.
Potentilla anglica in New York, 61:152-155.
(— and LEONARD, EMERY C.), A new species of Justicia from Florida, 61:183-187, 1 fig.
The type of Setaria faberii, 61: 220-223.
Monarda fistulosa, A naturally occurring F¹ hybrid of Monarda media and, 61:302.
Monarda media and M. fistulosa, A naturally occurring F¹ hybrid of, 61:302.
Monarda stipitatoglandulosa, a new species from Oklahoma, 72:502.
Monocots, Nomenclatural notes on, 68:435.
Monotropsis lehmaniae not a real species, 59:259.
Monstrosity, Andropogon praematurus, a fungus-induced, 58:326.
Montana, New records of disjunct arctic-alpine plants in, 70:103.
Montana plant-distribution records, 52:52.
Montana plant distribution records, 55:236.
MONTGOMERY, F. H.
A nomenclatural note in the genus Tragopogon, 55:325-328, pl. 1197.
Preliminary studies in the genus Dentaria in eastern North America, 57:161-173, 12 figs.
Dentaria in Indiana and Ohio, 59:179-180, 2 figs.
MOORE, DWIGHT MUNSON
Neviusia alabamensis in Arkansas, 58:187-191, 1 fig., 1 pl.
MOORE, H. E., JR.
A substitute for formaldehyde and alcohol in plant-collecting, 52:123-124.
MOORE, JEWEL E.
Hedyotis rosea in Arkansas, 58: 331.
MOORE, JOHN ADAM
Silene virginica in the Gulf States, 58:27-29, 1 fig.
MOORE, JOHN W.
Studies of Minnesota flowering plants with notes on additions to the flora, 52:54-60.
Notes on flowering plants in Minnesota, 59:6-8.
MOORE, MARY I.
New form of Thuja occidentalis resembling known cultivars, 74:352-357, 2 figs.

MOORE, R. J.
Distribution of native and introduced Knapweeds (Centaurea) in Canada and the United States, 74:331-346.
MOORE, ROYALL T.
The genus Piricauda (Deuteromycetes), 61:87-107.
MORLEY, THOMAS
Notes on the distinction between the broad- and narrow-leaved Antennarias of Minnesota, 60: 306.
MORROW, LORING
(— and NICKERSON, NORTON H.), Salt concentrations in ground waters beneath Rhizophora mangle and Avicennia germinans, 75:102-106.
MORTON, C. V.
The misuse of the term taxon, 59:43-44.
Varieties of Ballota nigra in the eastern United States, 68:93-94.
A new weed introduction in New England, Atriplex sibirica, 71: 580-581.
MORTON, GARY H.
Chaff on the receptacle of Solidago juncea, 70:304-306, 1 fig.
MORTON, J. K.
Spontaneous hybrids between Cerastium tomentosum Linn. and C. arvense Linn., 74:519-521.
Moss, A Rhode Island station for Luminous, 71:305.
Moss from Nebraska, A new, 51:128.
Mosses, Nomenclatural and other notes on, 52:72; —II., 54:156.
Mosses of Massachusetts, a county catalogue with annotations, The, 62:145.
MOUL, EDWIN I.
Notes on the flora of Penikese Island, Massachusetts, 63:149-150.
Flora of Monomoy Island, Massachusetts, 71:18-28.
Mount Greylock region V., Bryophytes of the, 59:25.
Mount McKinley National Park, McGonagall Mountain area, Some plants of, 55:245.
Mount Washington, Juniperus communis var. saxatilis from, 58:50.
Mt. Washington station for Gnaphalium supinum, A new, 72:555.
Mountain-Ash, Nomenclature of American, 55:358.
Mounting evergreen conifer twigs with deciduous leaves, A new method for, 66:216.
Mounting herbarium specimens, New plastic aid in, 52:298.
Mounting herbarium specimens, The Archer method for, 57:294.
Mounting plants, Sandbags as a technical aid in, 62:322.
Mounting pressed flowers for study and preservation, A method of, 56: 258.
MÜHLENBACH, VIKTOR
Adventitious and escaped plants new to Missouri, 59:27.
Muhlenbergia sobolifera in New Hampshire, Range extension of, 70: 452.
MÜHLING, GABRIELE N.
(— and WILSON, G. B.), The chromosomes of Podophyllum peltatum, 63:267-275, pls. 1262-1264.
MUENSCHER, W. C.
Veronica filiformis a weed of lawns and gardens, 51:365.
Mugo Pine in New Hampshire, Naturalized, 61:121.
MULCAHY, DAVID L.
Interpretation of crossing diagrams, 67:146-154, 3 figs.
MULLIGAN, GERALD A.
Chromosome races in the Chrysanthemum leucanthemum complex, 60:122-125.
(— and CALDER, JAMES A.), The genus Subularia (Cruciferae), 66:127-135, 2 figs., pl. 1295.
Mundo Novo Tropicale commentationes. II. The vegetal ingredients of the Myristicaceous snuffs of the Northwest Amazon, De plantis toxicariis e, 70:113.
Murdannia spirata in Florida, Occurrence of, 70:571.
MURDY, W. H.
Plant speciation associated with granite outcrop communities of the southeastern Piedmont, 70: 394-407, 8 figs.
Mushrooms, Edible, [Review], 54:120.
Myosotodon aquaticum in New Hampshire, A second record for the Giant Chickweed, 73:19.
Myrica pensylvanica, A new form of, 70:453.
Myriophyllum as revealed by the discovery of intergrade material between M. exalbescens Fern. and M.

spicatum L. in New Jersey, The status of some American species of, 56:213.
Myriophyllum exalbescens Fern. and M. spicatum L. in New Jersey, The status of some American species of Myriophyllum as revealed by the discovery of intergrade material between, 56:213.
Myriophyllum spicatum L. in New Jersey, The status of some American species of Myriophyllum as revealed by the discovery of intergrade material between M. exalbescens Fern. and, 56:213.
Myriophyllum spicatum, Some notes on, 63:139.
Myristicaceous snuffs of the northwest Amazon, De plantis toxicariis e Mundo Novo Tropicale commentationes. II. The vegetal ingredients of the, 70:113.
Myrtaceae from Jamaica, Further new records of, 60:323.

NAH, CHUNG-HIE
(— and BURK, C. JOHN), Environmental control of a taxonomic character separating Heterotheca s.str. from Chrysopsis, 68:406-408.
Naiadaceae, Two new Naiads from Illinois and distributional records of the, 68:126.
Naiads from Illinois and distributional records of the Naiadaceae, Two new, 68:216.
Najas minor All. in North America, 70:161.
Naturalists, Rocky Mountain, [Review], 53:114.
Naturalists, Some Irish, [Review], 53:95.
NEALE, JAMES J.
Two Eupatorium species new to Connecticut, 70:455-456.
Nebraska, A new moss from, 51:128.
Nebraska and South Dakota, Cyperus fuscus in, 71:433.
Nebraska, Conobea multifida, a new record for, 66:280.
Nebraska, Recent plant records for, 72:283.
Nebraska, Sporobolus texanus Vasey in Lincoln, 70:450.
Nebraska, Vascular plants new for Oklahoma, Kansas and, 73:300.
NEECE, GEORGE A.
(DUNCAN, WILBUR H., GARST, JOHN F. and —), Trillium persistens (Liliaceae), a new pedicellate-flowered species from northeastern Georgia and adjacent North Carolina, 73:244-248.
Nelumbo lutea in Essex County, Massachusetts, 60:116.
Nemophila microcalyx, an incorrect name, 72:399.
Neomirandea allenii, a new epiphytic Composite of the American rain forest, 74:272.
Neoparrya Mathias (Umbelliferae), Rediscovery of the genus, 60:265.
Neotropics, New phanerogams from the arid, 72:66.
Neuropogon from the United States, A new species of, 56:154.
Neviusia alabamensis Gray, The chromosome number of, 66:274.
Neviusia alabamensis in Arkansas, 58:187.
NEVLING, LORIN I., JR.
Chromosome counts of two Thymelaeaceae, 64:277-281.
New Brunswick, A second list of freshwater algae chiefly from, 58:117.
[New Brunswick], Additions to the Wolf Islands flora, 1963, 66:61.
New Brunswick, Canada, A preliminary checklist of the marine algae of Campobello Island, 72:313.
New Brunswick, Continued botanizing on the Wolf Islands, 71:297.
New Brunswick for 1964, Additions to the flora of the Wolf Islands, 66:413.
New Brunswick, More additions to the flora of Grand Manan, 71:306.
New Brunswick, New records of arctic species in southeastern, 67:92.
New Brunswick, Part I, The flora of the Wolf Islands, 65:82.
New Brunswick, Part 2, Flora of the Wolf Islands, 66:140.
New Brunswick, Some additions to the flora of Grand Manan, 64:98.
New Brunswick symbiotically with Ophrydium, Zoochlorella conductrix occurring in, 51:4.
New Brunswick, The vascular flora of Kent Island, Grand Manan, 75:311.
New England, A range extension for Suaeda americana in, 71:560.
New England Algae V. The algal vegetation of the Hampton-Seabrook estuary and the open coast near Hampton, New Hampshire, Investigations of, 74:406.

New England, Amphiprora ornata Bailey, — a second station in, 74: 521.
New England, Atriplex sibirica a new weed introduction in, 71:580.
New England Botanical Club a half-century ago and later, The, 53:97.
New England Botanical Club, A partial history of the, 75:493.
New England Botanical Club, List of members and officers since 1959, 72: 289.
New England, Bromus mollis and allies in, 68:168.
New England, Chrysopsis mariana in, 74:152.
New England, Developmental variation of Cornus canadensis in northern, 70:278.
New England for Micrasterias nordstedtiana, Seventy-five years later, a second station in, 73:56.
New England, Geocaulon lividum in, 67:407.
New England Hops, The use of vapor fractometry in the analysis of some, 64:243.
New England, Hybrids in Rubus subgenus Eubatus in, 72:240, [72:547].
New England, Hydrastis canadensis L. in, 66:94.
New England, Important work on the flora of, [Review], 72:137.
New England, Lactuca muralis in, 68:138.
New England marine algae III: Composition, seasonal occurrence and reproductive peridiocity of the marine Rhodophyceae in New Hampshire, Investigations of, 72: 194.
New England Mountain Flowers, [Review], 67:84.
New England, Observations on Microcoleus lyngbyaceus (Kütz.) Crouan from marine habitats in, 73:238.
New England, Range extensions of vascular aquatic plants in, 74:131.
New England, Rhododendron maximum in, 52:215.
New England, Rubus subgenus Eubatus in, 68:474.
New England salt marsh Vaucheriae, 70:274.
New England, Saxifraga cernua in, 69:485.
New England, The flora of, [Review], 72:137.
New England, The northern limits of the distribution of Hickories in, 75: 34.
New England, The phytogeography of subalpine Black Spruce in, 71:1.
New England, Tulostoma brumale Pers., a new record for, 67:89.
New England waters, A Punctaria new to, 73:293.
Newfoundland, Contributions to the marine algae of, 71:110.
Newfoundland, The distribution patterns of northern and southern elements in the flora of, 67:363.
New Hampshire, A flora of northern [Review], 66:411.
New Hampshire, A new station for Saxifraga rivularis L. in the White Mountains, 75:153.
New Hampshire, A notable assemblage of plants in, 63:294.
New Hampshire, A second record for the Giant Chickweed, Myosotodon aquaticum, in, 73:19.
New Hampshire", Additions to the Harris "Flora of Windham, 51:107.
New Hampshire, An ecological interpretation of Rhododendron colonies in Maine and, 63:61.
New Hampshire, An interesting association of rare aquatic plants from, 73:296.
New Hampshire and its shore line, Vascular flora of Ossipee Lake, 73: 249.
New Hampshire and vicinity, Carya ovalis and Carya glabra in Durham, 51:150.
New Hampshire, Cabomba caroliniana in Rockingham County, 61:248.
New Hampshire, Calypso in, 62:141.
New Hampshire, Chimaphila maculata (L.) Pursh in Maine and, 75: 162.
New Hampshire flora, Recent discoveries in the, 74:291.
New Hampshire, Further notes on Chamaecyparis thyoides in, 63:281; 67:409.
New Hampshire, Glyceria septentrionalis and G. acutiflora in Lee, 54: 25.
New Hampshire, Holcus mollis in, 52: 75.
New Hampshire, Ilex glabra and a new station for Kalmia latifolia in, 57:34.
New Hampshire, Investigations of New England marine algae III. Composition, seasonal occurrence and reproductive peridiocity of the marine Rhodophyceae in, 72:194.
New Hampshire, Investigations of New England marine algae V. The

algal vegetation of the Hampton-Seabrook estuary and the open coast near Hampton, 74:406.
New Hampshire, Juniperus horizontalis in, 64:351.
New Hampshire, Lomentaria clavellosa (Turner) Gaillon; an addition to the marine algal flora of, 74:158.
New Hampshire, Naturalized Mugo Pine in, 61:121.
New Hampshire, New Potamogeton records in, 54:237.
New Hampshire, Notes on the flora of Coös County, 67:195; — II., 69:29; — III., 71:166.
New Hampshire, Notable Ferns on Bear Mountain, Hebron, 73:462.
New Hampshire, Phytoplankton flora of Newfound and Winnisquam Lakes, 71:444.
New Hampshire, Pinguicula vulgaris L. in, 54:349.
New Hampshire plants, New or noteworthy, 75:158.
New Hampshire, Polanisia dodecandra in, 68:48.
New Hampshire, Potentilla robbinsiana in the White Mountains of, 66:408.
New Hampshire, Range extension of Muhlenbergia sobolifera in, 70:452.
New Hampshire, Range-extensions and -clarifications in, 52:160.
New Hampshire, Recent changes in some Rhododendron colonies in Maine and, 62:87.
New Hampshire, Rhododendron maximum in, 61:148.
New Hampshire, Rhododendron maximum in Hopkinton and Harrisville, 63:26.
New Hampshire, Saxifraga aizoön in, 69:483.
New Hampshire, Scamman's Ferns and Ferna allies of, [Notice], 52:228.
New Hampshire, Sedum sexangulare in, 61:247.
New Hampshire, Snow cover and the Diapensia lapponica habitat in the White Mountains, 74:358.
New Hampshire, Some additions to the vascular flora of, 61:268.
New Hampshire station for Heteranthera dubia (Jacq.) MacM., A, 55:57.
New Hampshire stream, Zonation of Bryophytes in the headwaters of a, 72:276.
New Hampshire, The white form of the Fringed Polygala in, 54:292.
New Hampshire trees, Notes on two, 56:204.
New Hampshire, Two interesting plants on Mt. Cardigan, Orange, 75:155.
New Hampshire, Wolffia in, 70:491.
New Jersey, A new species of Panicum from, 63:235.
New Jersey, The status of some American species of Myriophyllum as revealed by the discovery of intergrade material between M. exalbescens Fern. and M. spicatum L. in, 56:213.
New Jersey, Three interesting algae from, 56:41.
New plants in old places, 65:73.
New World species of Euphorbia, subgenus Chamaesyce, The application of the Linnaean names of some, 68:155.
New World Tropics: range extensions for Ptilimnium capillaceum (Umbelliferae), Mock Bishop's Weed in the, 72:393.
New World, Another Tribulus adventive in the, 69:455.
New World, Callitriche in the, 53:137, 161, 185, 209.
New World, Watercress in the 64:32.
New York, Adventive plants in, 59:17.
New York Botanical Garden Wild Flower Books, The, [Review], 65:189.
New York, Elatine triandra in, 60:58.
New York, Heterotheca subaxillaris on Long Island, 56:182.
New York, Notes on the flora of a gorge of Esopus Creek, 61:21.
New York, Potentilla anglica in, 61:152.
New York, Soil algae of forty ponds under construction at Ithaca, 67:242.
New York State, Asclepias syriaca var. kansana in, 58:197.
New York State, Curlygrass in, 62:294.
New Zealand botanists, [Review], 53:271.
Nickerson, Norton H.
(Morrow, Loring and —), Salt concentrations in ground waters beneath Rhizophora mangle and Avicennia germinans, 75:102-106.

(— and Tripp, Joseph W.), Floral dimorphism in Rachicallis americana (Jacq.) Hitch. (Saltwater-bush), 75:111-113.
Nicolson, Dan H.
The geographic location of Gorgonidium (Araceae), 65:68-72, 4 figs.
Nitella morongii, Monographic studies on the Characeae I. Emendation of, 51:13.
Nomenclature, Sidelights from zoology on botanical, 52:156.
North America, A checklist and key to the species of Campanula native or commonly naturalized in, 65:319.
North America, A conspectus of the genus Oenothera in eastern, 59:9.
North America, A definitive new book on the flora of Northwestern, [Review], 71:104.
North America, A new species of Calamovilfa (Gramineae) from, 72:72.
North America, A re-evaluation of Polygonum meisnerianum in, 72:182.
North America, A weedy Crucifer again reaches, 63:345.
North America, Alyssum (Cruciferae) introduced in, 70:298.
North America, Cladonia ecmocyna in, 54:261.
North America, Cladonia subrangiformis in, 56:266.
North America, Contribution to the fungus flora of northeastern, 62:186; — II., 64:126; — III., 65:289; — IV., 68:175; — V., 71:177.
North America, Cytological observations of Polygala in eastern, 64:102.
North America, Description, distribution and ecology of three species of Vaucheria previously unknown from, 60:283.
North America, Distributional history of Epilobium hirsutum (Great Hairy Willow-herb) in, 72:164.
North America, Distributional history of Lycopus europaeus (European Water-Horehound) in, 72:351.
North America, Dryopteris dilatata (Hoffm.) A. Gray in, 64:207.
North America, Epipactis helleborine (L.) Crantz in Michigan and its general range in, 53:240.
North America, Euphrasia micrantha new to, 60:307.
North America, Fleischmannia and Conoclinium (Compositae, Eupatorieae) in eastern, 73:566.
North America, Habenaria conopsea in, 65:241.
North America, Hepatica in, 62:223.
North America, Najas minor All. in, 70:161.
North America north of Mexico, A taxonomic study of the genus Physalis in, 60:107, 128, 152.
North America north of Mexico, Correll's Native Orchids of, [Review], 53:246.
North America, Occurrence of species of Polycarpaea Lam. (Caryophyllaceae) in, 64:179.
North America, On Pinguicula macroceras Link in, 64:212.
North America, Preliminary studies in the genus Dentaria in eastern, 57:161.
North America, Rumex stenophyllus in, 60:54.
North America, Some new floras for parts of, [Reviews], 60:235.
North America, Spore studies in the genus Cystopteris. I. The distribution of Cystopteris with non-spiny spores in, 63:181.
North America, Three misidentified so-called Cordilleran species in eastern, 64:17.
North America to Heracleum sphondylium of Europe, Relationship of Heracleum lanatum Michx. of, 73:578.
North America, Rumex thyrsiflorus new to, 59:1.
North America, Salix starkeana in, 72:548.
North America, Some aberrant Pyrola collections from eastern, 72:480.
North America, The genus Lesquerella (Cruciferae), [Review], 75:622.
North America, The red-fruited Crowberries in, 62:265.
North America, The spores of four species of Spinulose Wood-Ferns (Dryopteris) in eastern, 70:340.
North America, The status of Ramalina subampliata (Nyl.) Fink in 75:306.
North America, Viola rafinesquii, the only Melanium Violet native to, 66:32.
North American and Caribbean Melanthera (Compositae), A revision of, 75:169.

North American Botany, Makers of, [Review], 64:186.
North American Ferns, Cytotaxonomic observations on, 57:219.
North American genus Sabatia (Gentianaceae), A revision of the, 57:1, 43, 78.
North American genus Sabatia (Gentianaceae), Biosystematic studies in the, 73:309.
North American genus Uvularia (Liliaceae), A revision of the, 65: 158.
North American group of Vernonia (Compositae), The systematic value of trichome complements in a, 75: 517.
North American Houstonia and Oldenlandia under Hedyotis, Merger of the, 63:217.
North American Oak Ferns, Gymnocarpium, New data on, 68:121.
North American Polycarpaea, Annotation of, 65:35.
North American Prairies, Gentiana puberulenta, sp. nov., a known but unnamed species of the, 68:209.
North American record, Filago arvensis in Michigan, a second, 55: 228.
North American representatives of Smelowskia (Cruciferae), The, 54: 85.
North American Scirpus, A new status for an eastern, 69:198.
North American species of Elymus with setaceous glumes, Taxonomic and genetic relationships of eastern, 69:121.
North American species of Hedyotis (Houstonia), Chromosomal races in eastern, 64:313.
North American species of Helianthemum (Cistaceae), A revision of the, 67:63, 201, 255.
North American species of Lespedeza (Leguminosae), Native, 68:359.
North American species of Rosa, Minor forms of, 60:237.
North American species of the genus Cirsium, Chromosome numbers in some, 65:339.
North American species of the subfamily Silenoideae, Studies in the Caryophyllaceae — IV. A synopsis of the, 52:233.
North American taxa, Studies in the Guttiferae. II. Taxonomical and distributional observations on, 64: 231.
North American variety of Milium effusum, The, 52:218.
North Carolina, (a friendly critique), Grasses of, [Review], 51:124.
North Carolina, Additions to the flora of, 53:23.
North Carolina Outer Banks, A floristic comparison of Lower Cape Cod, Massachusetts and the, 70:215.
North Carolina plants — I., Notes on distribution of, 51:129; — II., 52: 253; — III., 54:165.
North Carolina, Tetraploid Passiflora incarnata in, 65:79.
North Carolina, Trillium persistens (Liliaceae), a new pedicellate-flowered species from northeastern Georgia and adjacent, 73:244.
North Dakota, A flora for, [Review], 53:182.
North Dakota, New records for, 63: 39.
North Dakota plants, New records of, 74:389.
North Dakota, Vascular plants new to, 73:58.
North or South Carolina, Species new to the flora of, 60:10.
Northwest Territories, Life-forms in the Plains flora of southern Mackenzie, 65:149.
Northwestern plants, Range extensions in, 58:278.
Noseburn (Tragia, Euphorbiaceae) of western Texas, The, 64:137.
Nostoc parmelioides in Massachusetts, 64:358.
Nova Scotia, Additions and extensions to the flora of, 55:17.
Nova Scotia, Additions to the flora of St. Paul Island, 58:245.
Nova Scotia and Cape Breton Island, Species newly or rarely reported from, 53:264.
Nova Scotia, Contributions to the flora of, 54:220.
Nova Scotia IV., Contributions to the flora of, 56:242.
Nova Scotia, Cypripedium arietinum R.Br. in, 56:203.
Nova Scotia, VIII. Distribution of arctic-alpine and boreal disjuncts, Contributions to the flora of, 68: 409.
Nova Scotia VII. Distribution of some aquatic and paludal species, Contributions to the flora of, 61: 275.

Nova Scotia IX. Habitat studies of arctic-alpine and boreal disjunct species, Contributions to the flora of, 70:176.
Nova Scotia, Northeastward range extensions for two species of Hypericum in, 57:132.
Nova Scotia V. Results of exploration in Cumberland County, Contributions to the flora of, 57:301.
Nova Scotia, Three additions to the flora of, 52:18.
Novelties, A small fascicle of, 52:61.
Nuphar, A southeastern, 52:65.
Nuphar microphyllum from Minnesota, A new form of, 58:76.
Nuphar microphyllum from similar aquatics, Some morphological aids in distinguishing, 75:65.
NUR, UZI
(CLAUSEN, JENS, CHANNELL, R. B. and —), Viola rafinesquii, the only Melanium violet native to North America, 66:32.
Nuttall: a review with bibliography, Biography of Thomas, 70:429.
Nuttall in 1815, 56:253.
Nuttall naturalist explorations in America 1808-1841, Thomas, 70: 429.
Nuttall not the author of Fraser's Catalogue, 58:281.
Nuttallian names in Fraser's Catalogue, Non-validity of, 57:290.
Nuttall's controversy with Asa Gray, Thomas, 54:293.
Nuttall's diary of 1810 and some inquirendae, [Review], 54:234.
Nuttall's Great Plains species of Circium: C. undulatum and C. canescens, 54:29.
Nuttall's names in Fraser's Catalogue, Validity of, 58:23.
Nuttall's quarrel with Pursh, 58:20.
(Nyctaginaceae), and Astragalus (Leguminosae) from eastern Utah, Novelties in Hermidium, 54:158.
Nyssa, The discovery and naming of the genus, 61:209.

Oak in Mississippi, A disjunct community of Chestnut, 63:324.
Oaks on Cape Cod and Martha's Vineyard, Crooked, 57:132.
Oaxacania and Planaltoa, Studies in the Compositae-Eupatorieae XV. Jaliscoa, Macvaughiella, 72:100.
Obolaria (Gentianaceae), A revision of Bartonia and, 61:43.
Obolaria virginica L. (Gentianaceae), The chromosome number of, 72:551.
Odontites serotina (Lam.) Dum. (Scrophulariaceae), A range extension for, 72:286.
Oenothera, Experiments and observations bearing on evolution in, 60: 37.
Oenothera in eastern North America, A conspectus of the genus, 59:9.
Oenothera, Studies of eastern American plants. 3. Some varieties in, 51:61.
Official plant names? 52:1.
Ohio, An assemblage of halophytes in northern, 72:285.
Ohio Compositae: I. Heliantheae, Anthemideae, Notes on the distribution of, 60:125.
Ohio Compositae: II. Eupatorieae, Senecioneae, Cynareae, Cichorieae, Notes on the distribution of, 61:76.
Ohio, Dentaria in Indiana and, 59: 179.
Ohio, Dentaria multifida in central, 58:160.
Ohio, Halesia carolina L. in Kentucky, Indiana and, 69:380.
Ohio, Micheliella verticillata in, 66: 275.
Ohio, The occurrence and hybrid nature of an Enchanter's Nightshade in, 64:63.
Ohio — "The Monocotyledoneae" by E. LUCY BRAUN, A model flora of, [Review], 71:562.
Ohio vascular plants, A new manual for, [Review], 63:55.
Oklahoma, A new species of Carex (Section Phyllostachyae) from, 56: 21.
Oklahoma, A new species of Sarcostemma from, 51:58.
Oklahoma, — Additions and comments, The vascular flora of, 71: 215.
Oklahoma, Additions to the vascular flora of, 67:191; II., 69:480.
Oklahoma, Draba aprica in, 63:223.
Oklahoma, Erigenia, a genus new to, 63:311.
Oklahoma flora, Changes in status and new combinations for certain taxa in the, 62:319.
Oklahoma flora, Further studies of the, 54:125.
Oklahoma flora, More additions to the, 53:130.
Oklahoma flora, New taxa, combinations and distribution records for the, 73:552.
Oklahoma flora, Some additions to the, 52:19.

Oklahoma flora — XXI. Studies in the composition and distribution of the, 56:157.
Oklahoma, Kansas and Nebraska, Vascular plants new for, 73:300.
Oklahoma, Monarda stipitatoglandulosa, a new species from, 72:502.
Oklahoma, New species of Cuscuta and Phlox from, 73:575.
Oklahoma, Podophyllum peltatum f. deamii from Bryan County, 66:167.
Oklahoma, Some botanical studies in the Black Mesa region of, 56:205.
Oklahoma, Some results of a summer's botanizing in, 51:18.
Oklahoma, Some results of a third summer's botanizing in, 52:165.
(Olacaceae), Parasitism in Ximenia, 71:439.
Oldenburger, Feddo H. F.
(Koyama, Tetsuo and —), Diplacrum africanum newly found in tropical America, 73: 159-160.
Oldenlandia umbellata, Pollen dimorphism in heterostyled, 66:56.
Oldenlandia under Hedyotis, Merger of the North American Houstonia and, 63:216.
(Oleaceae), Typification of the genus Forestiera, 60:327; 61:293.
Oleandra of Costa Rica, The genus, 63:335.
Olson, Willis A.
(Ownbey, Gerald B. and —), Cytotaxonomic notes on the species of Cirsium native to the southeastern United States, 71:285-296, 28 figs.
(Onagraceae), An earlier name for Ludwigia natans, 67:83.
Ontario, A buttressed Elm from, 65: 366.
Ontario, A new station for Pinguicula vulgaris in, 64:182.
Ontario, A white-flowered form of Iris lacustris from, 74:271.
(Ontario), Additions to the flora of the Erie Archipelago, 55:224.
Ontario XXX. Distribution of Orchids in the bog, Studies of the Byron Bog in southwestern, 70:193.
Ontario, Iris pseudacorus L. established in the vicinity of London, 55:244.
Ontario, Listera ovata (L.) R.Br. in the Bruce Peninsula, 72:274.
Ontario, New records for the Bruce Peninsula, 52:41.
Ontario, Notes on Triphora trianthophora in, 58:31.
Ontario, Peltandra virginica in Welland County, 53:135.
Ontario, Phytogeographic studies in Ontario I, The genus Uvularia in southern, 54:57.
Ontario, Recently introduced plants in southern, 56:103.
Ontario I, The genus Uvularia in southern Ontario, Phytogeographic studies in, 54:57.
Ontario, Two new Orchid records for, 63:175.
Ophrydium: a correction, 51:32.
Ophrydium, Zoochlorella conductrix occurring in New Brunswick symbiotically with, 51:4.
Orchid, Cypripedium calceolus L. subsp. parviflorum (Salisb.) Hult. from Alaska, New record for the Yellow Lady's Slipper, 75:491.
Orchid flora of Puerto Rico, Some additions to the, 58:290.
Orchid genus Hoffmannseggella, A new species of the, 74:283.
Orchid records from Ontario, Two new, 63:175.
Orchidaceas Neotropicales III. De Orchidaceis Insularum Trinidad et Tobago Notulae Additiciae, 59:280.
Orchidaceis Insularum Trinidad et Tobago Notulae Additiciae, Orchidaceas Neotropicales III., De, 59:280.
Orchids from La Bayamesa, Cuba, Notes on, 59:245.
Orchids in the bog, Studies of the Byron Bog in southwestern Ontario. XXX. Distribution of, 70:193.
Orchids of North America north of Mexico, Correll's Native, [Review], 53:247.
Orchis rotundifolia var. lineata, A new locality for, 62:174.
Orndduff, Robert
(— and Perry, James D.), Reproductive biology of Piriqueta caroliniana (Turneraceae), 66: 100-109, 1 fig.
Orontium aquaticum (Araceae), Cytogeography of, 68:25.
Oryzopsis and Stipa (Gramineae), A new intergeneric hybrid involving, 59:273.
Oryzopsis, Which side is up? A look at the leaves of, 63:285.
Osmunda cinnamomea, An interpretation of two forms of, 61:223.
Ott, Franklyn D.
The marine algae of Virginia and Maryland including the Chesapeake Bay area, 75:258-296.

Ottawa District, Draba lanceolata in the, 59:237.
OWNBEY, GERALD B.
Nuttall's Great Plains species of Cirsium: C. undulatum and C. canescens, 54:29-35, pls. 1182-1183.
(— and HSI YU-TSENG), Chromosome numbers in some North American species of the genus Cirsium, 65:339-354.
(— and OLSON, WILLIS A.), Cytotaxonomic notes on the species of Cirsium native to southeastern United States, 71:285-296, 28 figs.
OWNBEY, MARION
The chromosomes of Disporum maculatum, 55:61-62, 1 fig.
(— and MCCOLLUM, GILBERT D.), The chromosomes of Tragopogon, 56:7-21, 50 figs.
(— and AASE, HANNAH C.), Allium speculae, a new species of the Allium canadense alliance from Alabama, 61:70-72.
Oxford, Perlustrationes plantarum arcticarum IV, 'Parry Plants' added to the University herbaria, 54:271.
Oxybaphus, A new varietal combination in, 61:85.
Oxybaphus in Indiana, Two species of, 51:3.
OZMENT, JAMES E.
(MOHLENBROCK, ROBERT H., — and FOLKERTS, GEORGE W.), Additions to the flora of Illinois, 64:356-358.
Palmae, Nomenclatural changes in the family, 65:259.
PALMER, ERNEST JESSE
A hybrid Amorpha and new forms and records from Missouri, 55:157-160.
(— and STEYERMARK, JULIAN A.), Plants new to Missouri, 57:310-319.
Mentzelia albescens and Lonicera xylosteum in Missouri, 63:118-119.
[—, 1875-1962], [Biograhical sketch], 64:195-200, pl. 1270.
PALMER, SAMUEL C.
Epifagus virginiana, 57:71-72.
Panicum from New Jersey, A new species of, 63:235.
Papaver dubium and Camassia angusta, Notes on, 66:16.
Paraformaldehyde as a source for formaldehyde for use in botanical collecting, 59:299.
Parapholis incurva, A range extension for, 63:176.
Parasitic behavior of Dasistoma macrophylla, The, 64:331.
Parasitic behavior of Melampyrum lineare and a note on its seed color, The, 64:15.
Parasitism in Ximenia (Olacaceae), 71:439.
Paricutin Volcano in 1958, Vascular plants of the Cinder Cone of, 62:175.
Paricutin Volcano in 1960, Vascular plants of the Cinder Cone of, 63:340.
PARKER, S. E.
Scotch Heather, 57:337-338.
PARKS, JAMES C.
A revision of North American and Caribbean Melanthera (Compositae), 75:169-210, 8 figs.
'Parry Plants' added to the University Herbaria, Oxford, Perlustrationes plantarum arcticarum IV., 54:271.
'Parry Plants' in the Manchester Museum, Perlustrationes plantarum arcticarum II, 54:45.
'Parry Plants' in the possession of the Royal Geographical Society, London, Perlustrationes plantarum arcticarum III., 54:213.
Paspalum and Miscanthus (Gramineae), Phytogeographical notes on Rottboellia, 65:146.
Paspalum, Chromosome counts for, 66:368.
Paspalum fimbriatum in the United States, 64:85.
Paspalum minus and Andropogon pertusus in the United States, Notes on, 66:273.
Paspalum minus (Gramineae) in Louisiana and Mississippi, 68:94.
Passiflora incarnata in North Carolina, Tetraploid, 65:79.
Passiflora lutea, Polyploidy in, 51:29.
PATTEN, BERNARD C., JR.
The status of some American species of Myriophyllum as revealed by the discovery of intergrade material between M. exalbescens Fern. and M. spicatum L. in New Jersey, 56:213-225, 1 fig.

PATTERSON, PAUL M.
Bryophytes of Virginia, III. Collections made in southeastern Virginia by Bayard Long, 53: 117-128.
(SCHUSTER, R. M. and —), Noteworthy Hepaticae from Virginia, 59:251-259.
PEASE, ARTHUR STANLEY
Holcus mollis in New Hampshire, 52:75.
Merritt Lyndon Fernald, 1873-1950, 53:33-39, pl. 1163.
The New England Botanical Club a half-century ago and later, 53:97-105.
A color-form of Beech-drops, 54: 140.
Calypso in New Hampshire, 62: 141-142.
Campanular persistence, 63:29-30.
[Biographical sketch], 66:3-5, pl. 1293.
PEATTIE, DONALD CULROSS
Norman Carter Fassett 1900-1954, 56:233-242.
Pecan, The specific epithet of the, 63: 296.
Pedanticism runs amuck, 57:332.
Pellaea atropurpurea and Pellaea glabella var. glabella, Chromosome pairing in obligately apogamous ferns:, 75:122.
Pellaea atropurpurea, Spores, chromosomes and relations of the fern, 74:220.
Pellaea, Comparison of sexual and apogamous races in the fern genus, 70:1.
Pellaea glabella var. glabella, Chromosome pairing in obligately apogamous ferns: Pellaea atropurpurea and, 75:122.
Peltandra virginica in Welland County, Ontario, 53:135.
Peltandra virginica (L.) Schott & Endlicher, The combination, 74:516.
PEMBLE, R. H.
(BAMBERG, S. A. and —), New records of disjunct arctic-alpine plants in Montana, 70: 103-112.
Pennsylvania, A cytotaxonomic study of the genus Achillea in, 60:7.
Pennsylvania, A new Polemonium from eastern, 51:76.
Pennsylvania, Podophyllum peltatum forma deamii Raymond in western, 55:20.
Pennsylvania, Putty-root and Lesser Celandine in western, 56:23.
Pennsylvania, Scheuchzeria in western, 65:14.
Penstemon (Scrophulariaceae) I: new mitotic counts, Chromosome numbers in, 67:187.
Penthorum: its chromosomes, 53:89.
Peperomia from Jamaica, A new, 61: 218.
PERDUE, ROBERT E., JR.
A new variety of Rudbeckia californica, 59:289-290.
Synopsis of Rudbeckia subgenus Rudbeckia, 59:293-299.
A new variety of Rudbeckia fulgida, 63:119-120.
Two new varieties and a new combination in Rudbeckia, 64: 328-329.
Perigynium and rachilla, The rachilla in Cape Cod species of Carex with notes on the history of the, 74:321.
Perityle, section Pappothrix (Compositae-Peritylanae), Taxonomy of, 71:58.
Perlustrationes plantarum arcticarum I. (bis). Arctic Dicotyledonous species: four new names or combinations, 53:226.
Perlustrationes plantarum arcticarum II: 'Parry Plants' in the Manchester Museum, 54:45.
Perlustrationes plantarum arcticarum III. 'Parry Plants' in the possession of the Royal Geographical Society, London, 54:213.
Perlustrationes plantarum arcticarum IV. 'Parry Plants' added to the University herbaria, Oxford, 54: 271.
PERRY, JAMES D.
(ORNDUFF, ROBERT and —), Reproductive biology of Piriqueta caroliniana (Turneraceae), 66: 100-109, 1 fig.
(WILBUR, ROBERT L. and —), Palynological notes on American species of Helianthemum (Cistaceae), 69:184-194, pls. 1353-1354.
Biosystematic studies in the North American genus Sabatia (Gentianaceae), 73:309-369, 25 figs.
Persimmon, Mistletoe on, 51:105.
Persoon's species of Koeleria (Gramineae), Illegitimacy of, 58:93.
Peruvian species of Thelypteris, Taxonomic fern notes V. New combinations in, 69:5.

Peruvian species, Viburnum wurdackii, a new, 71:554.
Petalostemon foliosus and notes on its ecology, The past and present geographical distribution of, 75:132.
Petalostemon foliosus in Alabama, 69: 383.
Petasites vitifolius, Evidence for the hybrid origin of Petasites warrenii and, 70:533.
Petasites warrenii and P. vitifolius, Evidence for the hybrid origin of, 70:533.
Peteria (Leguminosae), Range extentensions in the genus, 59:216.
Peteria (Leguminosae), The genus, 58:344.
Peucedanum palustre again in Massachusetts, 73:460.
Peucedanum palustre, an interesting addition to the flora of Essex County, Massachusetts, 61:181.
Phacelia crenulata group (Hydrophyllaceae), New species in the, 74:451.
Phacelia franklini group, A systematic treatment of the, 62:205.
Phacelia hirsuta complex, Genotypic variation in the, 67:42.
Phacelia strictiflora complex, Genotypic variation in the, 67:139.
Phacelias (Hydrophyllaceae), Genetic barriers in the Cosmanthus, 66:359.
Phanerogams at Ipswich, Massachusetts, Seasonal occurrence and ecology of salt marsh, 70:442.
Phanerogams from the arid Neotropics, New, 72:66.
PHILLIPS, W. LOUIS
(STUCKEY, RONALD L. and —), Distributional history of Lycopus europaeus (European Water-Horehound) in North America, 72:351-369.
Philodendra ex regione Amazoniae nova, Plantae Columbianae, XVII., 66:118.
Phippsia algida in the United States, 54:141.
Phlox from Oklahoma, New species of Cuscuta and, 73:575.
Phoradendron rubrum in Florida, 65: 190.
Phragmites communis Trin., var. berlandieri (Fourn.) Fernald along the Sudbury River in eastern Massachusetts, Status of, 54:135.
Physalis, Emendations in United States, 70:574.
Physalis from the Galapagos Islands, A new species of, 70:408.
Physalis in Mexico, Central America and the West Indies, 69:82, 203, 319.
Physalis in North America north of Mexico, A taxonomic study of the genus, 60:107, 128, 152.
Physalis variovestita?, What is, 62: 117.
Physostegia, Contributions to an Illinois flora, I. The genus, 65:58.
Physostegia correllii (Lundell) comb. nov., 51:120.
Phytochemical research, Some impact of Spruce's Amazon explorations on modern, 70:313.
Picea and Tsuga, Preparing specimens of, 54:232.
Piedmont of Virginia, Isotria medeoloides on the, 71:303.
Piedmont, Plant speciation associated with granite outcrop communities of the southeastern, 70:394.
PIEHL, MARTIN A.
The parasitic behavior of Melampyrum lineare and a note on its seed color, 64:15-23, pl. 1265.
Holosteum umbellatum L., an angiosperm new to Michigan, 64: 222-225.
The parasitic behavior of Dasistoma macrophylla, 64:331-336, figs. A-C.
Pignuts, Carya glabra and C. ovalis, A key to the Hickories north of Virginia with notes on the two, 52: 188.
PIKE, RADCLIFFE B.
(— and HODGDON, ALBION R.), A new Rhododendron station in Maine, 60:328-329.
(— and HODGDON, ALBION R.), Naturalized Mugo Pine in New Hampshire, 61:121-123.
(HODGDON, ALBION R. and —), Rhododendron maximum in New Hampshire, 61:148-150.
(HODGDON, ALBION R. and —), Recent changes in some Rhododendron colonies in Maine and New Hampshire, 62:87-93.
(HODGDON, ALBION R. and —), Rhododendron maximum in Hopkinton and Harrisville, New Hampshire, 63:26-29.
(HODGDON, ALBION R. and —), An ecological interpretation of Rhododendron colonies in Maine and New Hampshire, 63:61-70.
(HODGDON, ALBION R. and —), Some additions to the flora of

Grand Manan, New Brunswick, 64:98-102.
(— and Hodgdon, Albion R.), Changes in flora of the Machias Seal Islands, 64:340-346.
(— and Hodgdon, Albion R.), The flora of the Wolf Islands, New Brunswick, Part I, 65: 82-96, 1 fig.
(— and Hodgdon, Albion R.), Notes on Great Wass Island, Maine, 65:285.
Note on Primula laurentiana in Maine, 65:286-288.
Note on Lomatogonium, 65:364-366.
(Hodgdon, Albion R. and —), Additions to the Wolf Islands flora, 1963, 66:61-62.
Fasciation in Empetrum nigrum, 66:62.
(Hodgdon, Albion R. and —), Flora of the Wolf Islands, New Brunswick, Part 2, 66: 140-155.
Plant pressing with plastic sponges, 66:172-176, pl. 1297.
(Hodgdon, Albion R. and —), Additions to the flora of the Wolf Islands, New Brunswick for 1964, 66:413-416.
Common trees of Puerto Rico and the Virgin Islands, [Review], 67:93-94.
(Hodgdon, Albion R. and —), Continued botanizing on the Wolf Islands, New Brunswick, 71:297-302.
(Hodgdon, Albion R., — and Tyler, Henry R., Jr.), More additions to the flora of Grand Manan, New Brunswick, 71: 306-308.
(Hodgdon, Albion R. and —), Floristic comparison of three bird islands in the Gulf of Maine, 71:510-523.
Notes on recent books, [Reviews], 71:561.
Evidence for the hybrid status of Aster ×blakei (Porter) House, 72:401-436, 12 figs.
(Hehre, Edward, Hodgdon, Albion R. and —), The Parker Cleaveland Herbarium of Bowdoin College, 74:80-84.
(McCain, John, — and Hodgdon, Albion R.), The vascular flora of Kent Island, Grand Manan, New Brunswick, 75: 311-322.
Pine, An unusual station for Eastern White, 51:393.
Pine in New Hampshire, Naturalized Mugo, 61:121.
Pine, Needle Number in Red, 66:27.
Pinguicula (Lentibulariaceae) in the southeastern United States, 59:217-230, 31 figs.
Pinguicula macroceras Link in North America, On, 64:212.
Pinguicula vulgaris in Ontario, A new station for, 64:182.
Pinguicula vulgaris L. in New Hampshire, 55:349.
Pinkley, Homer V.
Etymology of Psychotria in view of a new use of the genus, 71: 535-540, 2 figs.
Pinus chiapensis-monticola-strobus phylad, A multivariate analysis of the, 68:1.
Pinus rigida Miller in Quebec, 57: 299.
Piricauda (Deuteromycetes), The genus, 61:87.
Piriqueta caroliniana (Turneraceae), Reproductive biology of, 66:100.
Pitcher Plant bogs in south Mississippi, A floristic and ecological study of, 71:29.
Pitcher Plant habitats in Georgia, Floristic changes within, 66:375.
Planaltoa, Studies in the Compositae-Eupatorieae XV. Jaliscoa, Macvaughiella, Oaxacania and, 72:100.
Plant-collecting, A substitute for formaldehyde and alcohol in, 52:123.
Plant collector, A freeze-dry technique for the, 70:410.
Plant distribution, Reports of the Committee on (cf. under Committee on plant distribution).
Plant distribution, Problems in indicating, 53:222.
Plant genera and the International plant index, Authors of, [Review], 68:35.
Plant names? Official, 52:1.
Plant names, On author's citations in, 58:88.
Plant pressing with plastic sponges, 66:172.
Plant specimens, A quicker more satisfactory method for soaking and re-pressing dried, 53:113.
Plants? Why so many careless books on trees and other, 52:272.
Plastic aid in mounting herbarium specimens, New, 52:298.
Plastic, Availability of ingredients for, 58:72.

Plastic, Biometric and taxonomic uses of cellulose acetate, 70:552.
Plastic collecting bag, A simple, 51: 393
Plastic sponges, Plant pressing with, 66:172.
Platanus, New chromosome counts in Ulmus and, 71:544.
Platyzoma microphyllum, Some new aspects of the fern, 63:91.
PLUMMER, GAYTHER L.
(PULLEN, THOMAS, JR. and —), Floristic changes within Pitcher Plant habitats in Georgia, 66: 375.
Podocystis adriatica, Two naturally occurring abnormalities of the diatom, 70:292.
Podophyllum peltatum f. deamii from Bryan County, Oklahoma, 66:167.
Podophyllum peltatum forma deamii Raymond in western Pennsylvania, 55:20.
Podophyllum peltatum, The chromosomes of, 63:267.
POHL, RICHARD W.
Andropogon praematurus, a fungus-induced monstrosity, 58: 326-327.
(—and GILLESPIE, JAMES P.), Distributional and cytological notes on Salsola collina, 61: 265-267, 1 fig.
Agropyron hybrids and the status of Agropyron pseudorepens, 64:143-147, 2 figs.
Phytogeographic notes on Rottboellia, Paspalum and Miscanthus (Gramineae), 65:146-148, 1 fig.
Dissecting equipment and materials for the study of minute plant structures, 67:95-96.
POINDEXTER, JEROLD D.
(MCGREGOR, ROLAND L., HARMS, VERNON V. L. and —), New plant records from Kansas, 63: 146-148.
Poison-ivy and the Poison-oaks (Toxicodendron, Anacardiaceae), The systematics and ecology of, 73:72, 161, 370, 465.
Poison-oaks (Toxicodendron, Anacardiaceae), The systematics and ecology of Poison-ivy and the, 73: 72, 161, 370, 465.
Polanisia dodecandra in New Hampshire, 68:48.
Polanisia dodecandra (L.) DC., Studies in the Capparidaceae VIII., 68: 41.
Polanisia dodecandra (L.) DC., the correct name for Polanisia graveolens Rafinesque, Studies in the Capparidaceae. I., 56:65.
Polanisia graveolens Rafinesque, Studies in the Capparidaceae. I. Polanisia dodecandra (L.) DC., the correct name for, 56:65.
Polemonium from eastern Pennsylvania, A new, 51:76.
Polemonium reptans, Variation in, 58:103.
Pollen dimorphism in heterostyled Oldenlandia umbellata, 66:56.
Pollen grains in Polymnia, Heteromorphic, 64:336.
Pollen morphology as a taxonomic tool in Linum, 65:137.
POLUNIN, NICHOLAS
Perlustrationes plantarum arcticarum I (bis). Arctic Dicotyledonous species: four new names or combinations, 53:226-228.
Perlustrationes plantarum arcticarum II: 'Parry Plants' in the Manchester Museum, 54: 45-55.
Canada's Centenarian botanist, 54:194-195.
Perlustrationes plantarum arcticarum III: 'Parry Plants' in the possession of the Royal Geographical Society, London, 54:213-216.
Perlustrationes plantarum arcticarum IV., 'Parry Plants' added to the University herbaria, Oxford, 54:271-285.
British floras ancient and modern, 55:209.
Edith Scamman: an appreciation, 71:160-164, pl. 1406.
Polycarpaea, Annotation of North American, 65:35.
Polycarpaea Lam. (Caryophyllaceae) in North America, Occurrence of species of, 64:179.
Polygala from northern Mexico, Two new species of, 64:225.
Polygala in eastern North America, Cytological observations of, 64:102.
Polygala in New Hampshire, The white form of the Fringed, 54:292.
Polygala in southeastern United States, Notes on the cleistogamous species of, 59:51.
Polygala paucifolia, A new color form of, 54:27.
Polygala paucifolia, Persistence of color forms of, 54:27.

(Polygonaceae), The genus Tovara, 54:19.
Polygonum bicorne Raf. instead of P. longistylum Small, 59:265.
Polygonum longistylum Small, Polygonum bicorne Raf. instead of, 59:265.
Polygonum meisnerianum in North America, A re-evaluation of, 72:182.
Polymnia canadensis (Compositae) and notes on the pedicellate disk florets in the genus, A reversion in, 70:559.
Polymnia, Heteromorphic pollen grains in, 64:336.
Polymnia uvedalia, A review of the varieties of, 71:204.
Polyploidy from herbarium specimens, Determination of, 60:89.
Polyploidy in Passiflora lutea, 51:29.
Polysiphonia paniculata Montagne, An unusual substrate for, 75:488.
Polystichum acrostichoides from the Bruce Peninsula, A natural hybrid of Polystichum lonchitis and, 56:1.
Polystichum lonchitis and P. acrostichoides from the Bruce Peninsula, A natural hybrid of, 56:1.
Pond Scum, Frog Spit and, [Review], 53:292.
Pontederia L., Revision of the genus, 75:426.
POOLE. JAMES P.
A new station for the Massachusetts Fern, 65:309.
Lactuca muralis in New England, 68:138.
Poppy, The persistence of the double-flowered form of Celandine, 69:179.
Population studies, A technique for morphological analysis in, 54:217.
Populus: a correction, 51:149.
PORTER, C. L.
Novelties in Hermidium (Nyctaginaceae) and Astragalus (Leguminosae) from eastern Utah, 54:158-161.
The genus Peteria (Leguminosae), 58:344-354, 1 fig.
Range extensions in the genus Peteria (Leguminosae), 59:216.
PORTER, DUNCAN M.
Another Tribulus adventive in the New World, 69:455-456.
Kallstroemia in the Middle Atlantic States, 72:397-398.
Porto Rico and the Virgin Islands, Further changes and additions to the flora of, 69:372.
Porto Rico and the Virgin Islands, Nomenclatural changes and additions to Britton and Wilson's Flora of, 67:315-361.
(Portulacaceae) from the Cedar Glades of middle Tennessee, A new Talinum, 69:466.
Potamogeton fibrillosus Fern. (Potamogetonaceae), A re-evaluation of, 75:75.
Potamogeton oblongus, not P. polygonifolius, 52:128.
Potamogeton polygonifolius, Potamogeton oblongus, not, 52:128.
Potemogeton records in New Hampshire, New, 54:237.
(Potamogetonaceae), A re-evaluation of Potamogeton fibrillosus Fern., 75:75.
Potentilla anglica in New York, 61:152.
Potentilla procumbens in the United States, 51:390.
Potentilla robbinsiana in the White Mountains of New Hampshire, 66:408.
Powell's expeditions in the West, Contemporary notes on, [Review], 63:179.
POWELL, A. MICHAEL
Taxonomy of Perityle, section Pappothrix (Compositae-Peritylanae), 71:58-93, 20 figs.
POWELL, M.
(TURNER, BILLIE L., — and KING, R. M.), Chromosome numbers in the Compositae. VI. Additional Mexican and Guatemalan species, 64:251-271, 33 figs.
Preparing specimens of Picea and Tsuga, 54:232.
Pressing with plastic sponges, Plant, 66:172.
Primula laurentiana in Maine, Note on, 65:286.
(Primulaceae) from Mexico, A new species of Samolus, 60:1.
Primulas with comments on their taxonomy, Chromosome numbers in some American farinose, 62:31.
Pringle Herbarium, The, 75:297.
PRINGLE, JAMES S.
(—and SHARP, AARON J.), Gentiana austromontana, a new species from the Southern Appalachians, 66:402-404, 2 figs.
Gentiana puberulenta, sp. nov., a known but unnamed species of the North American Prairies, 68:209-214, pl. 1334.

Pringlea and Lyallia on Kerguelen Islands, Palynological evidence for the late glacial occurrence of, 75: 239.
PROCTOR, GEORGE R.
Notes on some Jamaican Eugenias, 59:303-306.
Further new records of Myrtaceae from Jamaica, 60:323-326.
A new Peperomia from Jamaica, 61:218-219.
New combinations in Thelypteris, 61:305-306.
Notes on Lesser Antillean ferns, 63:31-36.
Notes on Lesser Antillean ferns II., 68:464-469.
(GILLIS, WILLIAM T., HOWARD, RICHARD A. and —), Additions to the Bahama flora since Britton and Millspaugh—I., 75:411-425.
Propagation of the Camperdown Elm, The, 54:55.
Prunus americana var. lanata a synonym of P. nigra, 58:330.
Prunus nigra, Prunus americana var. lanata a synonym of, 58:330.
Psoralea multijuga Ell. (Leguminosae), The identity of, 69:48.
Psychotria in view of a new use of the genus, Etymology of, 71:535.
Pteretis, The validity of the generic name, 52:246.
Pteris of Costa Rica, The genus, 63: 194.
Ptilimnium capillaceum (Umbelliferae), Mock Bishop's Weed in the New World Tropics: range extensions for, 72:393.
Puccinellia, Suggestion for the assignment of Torreyochloa to, 54:42.
Puerto Rico and the Virgin Islands, Common trees of, [Review], 67:93.
Puerto Rico, Some additions to the Orchid flora of, 58:290.
PULLEN, THOMAS, JR.
(—and PLUMMER, GAYTHER L.), Floristic changes within Pitcher Plant habitats in Georgia, 66: 375-381.
PULLEN, THOMAS M.
Allium ampeloprasum in Mississippi, 69:61-62.
Punctaria new to New England waters, A, 73:293.
PURDY, MAUD H.
[—, 1874-1965], [Biographical sketch], 70:283-286, 1 photo.
Pursh, Nuttall's quarrel with, 58:20.
Pursh's Flora Americae Septentrionalis, The date of, 56:275.
Putty-root and Lesser Celandine in western Pennsylvania, 56:23.
Pyrola chlorantha, Priority of the binomial, 74:396.
Pyrola collections from eastern North America, Some aberrant, 72:480.
QUARTERMAN, ELSIE
(— and HEMMERLY, THOMAS E.), Rediscovery of Echinacea tennesseensis (Beadle) Small, 73: 304-305.
Quebec, Dicentra cucullaria f. purpuritincta in, 51:30.
Quebec, Diploid Dryopteris dilatata from, 69:1.
Quebec? Does Dicranum articum occur in southern central, 51:29.
Quebec, Juncus greenei and Rhus glabra in, 51:9.
Quebec, Pinus rigida Miller in, 57: 299.
Quebec, The range of Kiaeria starkei in, 51:122.
×Quercus deamii toward Quercus macrocarpa and Quercus muhlenbergii, Regression of, 53:249.
Quercus macrocarpa and Quercus muhlenbergii, Regression of ×Quercus deamii toward, 53:249.
Quercus muhlenbergii, Regression of ×Quercus deamii toward Quercus macrocarpa and, 53:249.
Quercus prinoides, Analysis of vegetative propagation in, 59:306.
Rachicallis americana (Jacq.) Hitch. (Saltwaterbush), Floral dimorphism in, 75:111.
Rachilla in Cape Cod species of Carex with notes on the history of the perigynium and rachilla, The, 74: 321.
Rachilla, The rachilla in Cape Cod species of Carex with notes on the history of the perigynium and, 74: 321.
RADFORD, ALBERT E.
Additions to the flora of North Carolina, 53:23-27.
(AHLES, HARRY E., BELL, C. RITCHIE and —), Species new to the flora of North or South Carolina, 60:10-32.
Rafinesque's species of Lechea (Cistaceae) Notes on, 68:192.
Ragweed, Ambrosia artemisiifolia × trifida, The hybrid, 60:309.

Ragweeds (Ambrosia) in Michigan, with the description of a new intermediate taxon, Perennial, 60:177.
Ramalina subampliata (Nyl.) Fink in North America, The status of, 75:306.
RAMSEY, GWYNN W.
Note in Cimicifuga rubifolia Kearney in Virginia, 66:135.
Ranunculus ficaria, The bulbiferous 63:289.
Ranunculus laxicaulis (T. & G.) Darby, Ranunculus texensis Engelm., antedated by, 51:164.
Ranunculus texensis Engelm. antedated by R. laxicaulis (T. & G.) Darby, 51:164.
Ratibida, A monograph of the genus, 70:348.
Ratibida (Compositae) from Mexico, A new species of, 66:267.
RAVEN, PETER H.
An earlier name for Ludwigia natans (Onagraceae), 67:83-84.
RAYMOND, MARCEL
Juncus greenei and Rhus glabra in Quebec, 51:9-10.
(ROUSSEAU, JACQUES and —), Betula michauxii, a brief symposium 2. Betula michauxii Spach in northeastern America, 51:27-32, pl. 1156.
Dicentra cucullaria f. purpuritincta in Quebec, 51:30-31.
Two color-forms in Eriophorum, 53:208.
A note on ×Cyperus weatherbianus, 64:349-350.
REDFEARN, PAUL L. JR.
The Yellow Mandarin, a notable addition to the flora of Arkansas, 74:523-524.
REED, CLYDE F.
New or additional records of grasses in Maryland and Delaware, 56:178-181.
REED, JACK
(ILTIS, HUGH, H., — and MELCHERT, THOMAS), Elymus arenarius and Diarrhena americana in Wisconsin, 62:199-201.
REEDER, CHARLOTTE G.
(REEDER, JOHN R. and —), Alexander William Evans (1868-1959), 62:245-250, 1 photo.
REEDER, JOHN R.
Setaria lutescens an untenable name, 53:27-30.
A further note on Cercis canadensis in Connecticut, 53:246-247.
Note on Echinochloa muricata, 58:331-332.
(— and REEDER, CHARLOTTE G.), Alexander Williams Evans (1868-1959), 63:245-250, 1 photo.
Reedrollinsia Walker (Annonaceae), Validation of, 73:461.
Regression of ×Quercus deamii toward Quercus macrocarpa and Quercus muhlenbergii, 53:249.
Repopulation of intertidal transects, The, 55:102.
REVEAL, JAMES L.
On the names in Fraser's 1813 Catalogue, 70:25-54.
A new combination in Tofieldia glutinosa (Liliaceae), 73:53-55.
(— and HESS, WILLIAM J.), Variation within Calochortus venustulus (Liliaceae), 74:350-351.
(HAYNES, ROBERT R. and —), A re-evaluation of Potamogeton fibrillosus Fern. (Potamogetonaceae), 75:75-77.
Reverchonia (Euphorbiaceae), The genus, 65:193.
REYNOLDS, DON R.
(— and CALHOUN, KEN), Equisetum from Peninsula Florida, 74:526-528.
Rhapidophyllum hystrix in Mississippi, 74:525.
Rhexia virginica (Melastomataceae), Floral anatomy of, 69:163.
Rhizophora mangle and Avicennia germinans, Salt concentrations in ground waters beneath, 75:102.
RHOADES, MARY H.
Seed germination of Shortia galacifolia T. & G. under controlled conditions, 68:147-154.
RHOADES, RICHARD W.
The aquatic form of Alisma subcordatum Raf., 64:227-229.
Rhode Island, A fern new to, 63:46.
Rhode Island, Goodyera tesselata in, 52:279.
Rhode Island station for Luminous Moss, A, 71:305.
Rhododendron, A new hybrid deciduous, 55:205.
Rhododendron colonies in Maine and New Hampshire, An ecological interpretation of, 63:61.
Rhododendron colonies in Maine and New Hampshire, Recent changes in some, 62:87.
Rhododendron maximum at Medfield, Massachusetts, 52:279.

Rhododendron maximum in Hopkinton and Harrisville, New Hampshire, 63:26.
Rhododendron maximum in New England, 52:215.
Rhododendron maximum in New Hampshire, 61:148.
Rhododendron maximum in northern Vermont, A new station for, 65:22.
Rhododendron station in Maine, A new, 60:328.
Rhodophyceae in New Hampshire, Investigations of New England marine algae III: Composition, seasonal occurrence and reproductive peridiocity in the marine, 72:194.
Rhodophyta) in northeastern United States, The morphology and systematics of the Audouinella complex (Acrochaetiaceae, 75:529.
(Rhodophyta) in the western Sargasso Sea, The Audouinella complex, 75:78.
(Rhodophyta), Studies on the Audouinella microscopica (Naeg.) Woelk. complex, 74:85.
Rhodora, The new index to the first fifty volumes of, [Review], 56:44.
Rhus glabra in Quebec, Juncus greenei and, 51:9.
Rhynchosias, Nomenclatural notes on two southeastern, 64:60.
Rhynchosporas of the southeastern United States, Reappraisal of two plumose, 58:335.
RIBA, RAMON
An annotated bibliography of Mexican ferns, [Review], 69: 62-63.
New taxa in the genus Alsophila, 69:65-68, 4 figs.
The Alsophila swartziana complex (Cyatheaceae), 71:7-17, 5 figs.
Ribes hirtellum), A Linden (Tilia) forest on Cape Cod (with extended notes on Tilia neglecta, Bromus pubescens and, 72:339.
RICH, AVERY F.
(FRIDRICH, JAMES H., — and SHIGO, ALEX L.), Fungi isolated from the fruits and seeds of some northern hardwood trees, 73:306-308.
RICHARDS, EDWARD LEON
A new species of Ratibida (Compositae) from Mexico, 66:267-268.
A monograph of the genus Ratibida, 70:348-393, 10 figs. pls. 1387-1397.
RICHARDSON, L. E.
Peucedanum palustre again in Massachusetts, 73:460-461.
RIEL, A.
(HODGDON, ALBION R., GIGUERE, P., KROCHMAL, STANLEY B. and —), New Potamogeton records in New Hampshire, 54:237-246.
RIGBY, SYLVIA JANE
Chromosome pairing in obligately apogamous ferns: Pellaea atropurpurea and Pellaea glabella var. glabella, 75:122-131, 2 figs.
RITCHIE, J. C.
Additions and extensions to the flora of Manitoba, 58:321-325.
ROBBINS, CHARLES ALBERT
[List of the Cladoniae of southeastern Massachusetts, with special reference to the collection of, —], 74:254-263.
ROBERTS, EDWARD G.
A disjunct community of Chestnut Oak in Mississippi, 63:324-325.
ROBERTS, PATRICIA R.
New records of arctic species in southeastern New Brunswick, 67:92-93.
ROBINSON, ALBERT, JR.
An unusual Erianthus alopecuroides, 66:268-269, pl. 1304.
ROBINSON, H.
(KING, R. M. and —), Studies in the Compositae-Eupatorieae XV: Jaliscoa, Macvaughiella, Oaxacania and Planaltoa, 72: 100-105.
(KING, R. M. and —), Neomirandea allenii, a new epiphytic Composite of the American rain forest, 74:272-275.
ROBSON, NORMAN K. B.
(ADAMS, WILLIAM P. and —), A re-evaluation of the generic status of Ascyrum and Crookea (Guttiferae), 63:10-16.
ROCK, HOWARD F. L.
The binomials of Helenium in Walter's Flora Caroliniana, 58: 311-317, pl. 1227.
A revision of the vernal species of Helenium (Compositae), 59: 101-116, 128-158, 168-178, 203-216, 3 maps, 8 figs.
(TURNER, B. L., BEAMAN, J. H. and —), Chromosome numbers in the Compositae. V. Mexican and Gutemalan species, 63:121-129, 25 figs.

Rocky Mountain Carices, Notes on, 70:419.
Rocky Mountain naturalists, [Review], 53:114.
RODMAN, JAMES E.
(BARBOUR, MICHAEL G. and —), Saga of the West Coast Sea-Rockets: Cakile edentula ssp. californica and C. maritima, 72:370-386.
ROGERS, C. MARVIN
Some botanical studies in the Black Mesa region of Oklahoma, 56:205-212.
Studies in Linum: L. imbricatum and L. hudsonioides, 65:50-55, 10 figs.
(XAVIER, K. S. and —), Pollen morphology as a taxonomic tool in Linum 65:137-145, 8 figs.
Linum coahuilense, a new species from northern Mexico, 66:278-279, 4 figs.
Linum modestum, a new species from Mexico, 66:406-407, 4 figs.
The Linum bahamense complex, 70:439-441.
(— and MILDNER, R.), The re-evaluation of the genus Cliococca (Linaceae) of South America, 73:560-565, 2 figs.
ROGERS, KEN E.
(— and UNDERWOOD, J. K.), Some plants new to Tennessee, 68:518-519.
A new species of Calamovilfa (Gramineae) from North America, 72:72-80, 2 figs.
(WATSON, J. RAY, JR. and —), Eriogonum harperi Goodman in Tennessee, 74:154.
ROGERS, O. M.
(HILL, L. MICHAEL and —), Chromosome numbers of Aster blakei and A. nemoralis, 72:437-438.
(HILL, L. MICHAEL and —), Chemical, cytological and genetic evidence for the hybrid origin of Aster blakei (Porter) House, 75:1-25, 12 figs.
ROLLINS, REED C.
A new flora for the San Francisco Bay area, [Review], 52:76.
Deep-freezing flowers for laboratory instruction in systematic botany, 52:289-297.
Fernald as a botanist, 53:56-61, pl. 1164.
The Cacti of Arizona, [Review], 53:94.
Rocky Mountain naturalists, [Review], 53:114-115.
A flora for North Dakota, [Review], 53:182-183.
Taxonomy today and tomorrow, 54:1-19.
Arizona Flora, [Review], 54:83-84.
(DRURY, WILLIAM H. JR. and —), The North American representatives of Smelowskia (Cruciferae), 54:85-119, 3 figs., pls. 1185-1186.
Stages in the evolution of plant species, [Review], 54:140.
A note on Halimolobos, 54:161-163.
Some Cruciferae of the Nashville Basin, Tennessee, 54:182-192, 1 fig.
Cardamine digitata Richardson (Cruciferae), 54:260.
Braya in Colorado, 55:109-116.
Angiosperm Pollen, [Review], 55:203.
Draba on Clay Butte, Wyoming, 55:229-235.
Draba lemmoni, 55:323-324.
How many species of vascular plants grow without cultivation in Massachusetts? 55:361-362.
The new index to the first fifty volumes of Rhodora, [Review], 56:44.
The Club herbarium gets a new home, 56:101-102.
The auriculate-leaved species of Lesquerella (Cruciferae), 57:241-264, figs. A-G, pls. 1207-1212.
The Archer method for mounting herbarium specimens, 57:294-299.
Availability of ingredients for plastic, 58:72.
The problem of Leavenworthia aurea, 58:73-76, pl. 1223.
Some new primitive Mexican Cruciferae, 58:148-157, 6 figs.
On the identity of Lesquerella angustifolia, 58:199-202.
Miscellaneous Cruciferae of Mexico and western Texas, 59:61-71, 2 figs.
Bartholomew's Cobble, [Review], 60:32.
Species Plantarum — more than a facsimile edition, [Review], 60:59-60.

The genetic evaluation of a taxonomic character in Dithyrea (Cruciferae), 60:145-152, pl. 1233.
Some new floras for parts of North America, [Review], 60: 235-236.
Orange-yellow flowered Claytonia virginica, 60:258-259.
The genus Synthlipsis (Cruciferae), 61:253-264, 3 figs.
A new manual for California, [Review], 61:270-273.
The second volume of Species Plantarum, [Review], 61:312.
The American Cruciferae of Sessé and Mociño, 62:11-20, 1 fig.
Some Sisymbriums (Cruciferae) native to Texas and northern Mexico, 62:55-60, 1 fig.
A monumental work is concluded, [Review], 62:132-133.
Arabis perstellata in Tennessee, 62:242-244.
Notes on American Rorippa (Cruciferae), 63:1-10, figs. A-C.
Draba aprica in Oklahoma, 63: 223-225.
A weedy Crucifer again reaches North America, 63:345-346.
Change of eidtor-in-chief, 64:1-2.
A new Crucifer from the Great Slave Lake area of Canada, 64:324-328, pl. 1271.
Protandry in two species of Streptanthus (Cruciferae), 65: 45-49, 4 figs.
A companion volume to the New Britton and Brown Illustrated Flora, [Review], 65:242-243.
Francis Welles Hunnewell, 1880-1964, 66:97-99.
Authors of plant genera and the International plant index, [Review], 68:35-40.
The identity of Sisymbrium pauciflorum (Cruciferae), 68:513-514.
A definitive new book on the flora of northwestern North America, [Review], 71:104-106.
On a weed species of Rorippa, 71:552-553.
(— and Shaw, Elizabeth A.), Nomenclatural changes in Lesquerella, 74:76-79.
Roots and the taxonomic differences between Botrychium oneidense and B. dissectum, 63:164.
Rorippa (Cruciferae), Notes on American, 63:1.
Rorippa, On a weed species of, 71: 552.
Rorippa sessiliflora in Essex County, Massachusetts, 60:260.
Rosa, Minor forms of North American species of, 60:237.
Rosaceae, Chromosomes of Spiraea and of certain other genera of, 53: 203.
Rosendahl, C. O.
A new Heuchera from Missouri together with some notes on the Heuchera parviflora group, 53: 105-109, 9 figs., pl. 1166.
Roses in the Gray's Manual range, Notes on some, 56:70.
Ross, Richard G.
(Lewis, Walter H., Stripling, H. Larry, and —), Chromosome numbers for some Angiosperms of the southern United States and Mexico, 64:146-161, 55 figs.
Rottboellia, Paspalum and Miscanthus (Gramineae), Phytogeographic notes on, 65:146.
Rouleau, Ernest
Populus: a correction, 51:149-150.
Pinus rigida Miller in Quebec, 57:299.
Rousseau, Jacques
(— and Raymond, Marcel), Betula michauxii, a brief symposium. 2. Betula michauxii Spach in northeastern America, 52:27-32, pl. 1156.
The identity of Vinber and Vinland, 53:244-245.
Royal Geographical Society, London, Perlustrationes Plantarum arcticarum III. 'Parry plants' in the possession of the, 54:213.
(Rubiaceae), A revision of the Houstonia purpurea group, 61:157, 188.
(Rubiaceae), Distributional and nomenclatural notes on Galium, 59:38.
(Rubiaceae), The status of Hedyotis procumbens var. hirsuta, 70:306.
Rubus allegheniensis, A new form of, 53:30.
Rubus allegheniensis Porter, Glandularity in, 64:161.
Rubus, An unusual, 64:353.
Rubus chamaemorus in Minnesota, The occurrence of, 56:272.
Rubus chamaemorus in the Canadian Lakehead, 58:327.

Rubus hispidus and R. setosus, Hybridization of, 65:262.
Rubus setosus, Hybridization of Rubus hispidus and, 65:262.
Rubus subgenus Eubatus in New Enggland, 68:474.
Rubus subgenus Eubatus in New England, Hybrids in, 72:240; Correction, 72:547.
Rudbeckia amplexicaulis Vahl in southern Illinois, 54:119.
Rudbeckia californica, A new variety of, 59:289.
Rudbeckia fulgida, A new variety of, 63:119.
Rudbeckia subgenus Rudbeckia, Synopsis of, 59:293.
Rudbeckia, Two new varieties and a new combination in, 64:328.
RUDD, VELVA E.
Leguminosae of Mexico — Faboideae. I. Sophoreae and Podalyrieae, 70:492-532, 3 figs.
Ruellia (Acanthaceae), Some observations on flowering in, 64:200.
Ruellia lorentziana (Acanthaceae) in southern Florida, Observations regarding the occurrence and relationships of, 68:432.
Rumex stenophyllus in North America, 60:54.
Rumex thyrsiflorus new to North America, 59:1.
RUNDEL, PHILLIP W.
(BOWLER, PETER A. and —), The status of Ramalina subampliata (Nyl.) Fink in North America, 75:306-310, 1 fig.
RUSSELL, NORMAN H.
Viola palustris L. in Arizona, 65:49.

Sabatia (Gentianaceae), A revision of the North American genus, 57:1, 43, 78.
Sabatia (Gentianaceae), Biosystematic studies in the North American genus, 73:309.
Sagebrush taxonomy, Another note on, 70:286.
ST. JOHN, HAROLD
The authorities for Torreyochloa fernaldii (Gramineae), 52:53-54.
Monograph of the genus Elodea: part 4 and summary, 67:1-35, 155-180, 5 figs., pl. 1308.
Sagittaria subulata complex, Observations on the, 63:247.
SALAMUN, PETER J.
A population study of the variation in the inflorescence of Spiraea tomentosa, 53:280-292, 2 maps.
Salicornia europaea in Illinois, 51:11.
Salicornia europaea in the James Bay region, 56:61.
Salix bebbiana Sarg., On the nomenclature of, 73:558.
Salix hebecarpa Fernald and S. simulans Fernald, Willow hybrids:, 52:8.
Salix simulans Fernald, Willow hybrids: Salix hebecarpa Fernald and, 52:8.
Salix starkeana in North America, 72:548.
Salasola collina, Distributional and cytological notes on, 61:265.
Salt concentrations in ground waters beneath Rhizophora mangle and Avicennia germinans, 75:102.
Salt marsh phanerogams at Ipswich, Massachusetts, Seasonal occurrence and ecology of, 70:442.
(Saltwaterbush), Floral dimorphism in Rachicallis americana (Jacq.) Hitch., 75:111.
Samolus (Primulaceae) from Mexico, A new species of, 60:1.
Sanchezia and related American Acanthaceae, 66:313.
San Francisco Bay area, A new flora for the, [Review], 52:76.
Sandbags as a technical aid in mounting plants, 62:322.
Sanguisorba canadensis L., A recent Illinois collection of, 65:80.
SANTAMOUR, FRANK S., JR.
Chromosome number in Striped and Mountain Maples, 64:281-282.
New chromosome counts in Ulmus and Platanus, 71:544-547.
Chromosome number in Liquidambar, 74:287-290, 1 fig.
Sanvitalia, New chromosome numbers in Zinnia and, 68:215.
Sarcostemma from Oklahoma, A new species of, 51:58.
Sargasso Sea, Some algal invaders of the northeastern fringes of the, 74:295.
Sargasso Sea, The Audouinella complex (Rhodophyta) in the western, 75:78.
SARGENT, F. H.
Eulophia ecristata and Epidendrum conopseum in Mississippi, 67:48.

Sarracenia purpurea forma heterophylla, Some Michigan records for, 58:203.
Saskatchewan, Contributions to the flora of boreal, 70:200.
Saurauia species and their chromosomes, 72:81.
Saxifraga, A new variety in, 52:183.
Saxifraga aizoön in New Hampshire, 69:483.
Saxifraga aizoön station revisited, The, 69:484.
Saxifraga cernua in New England, 69:485.
Saxifraga rivularis L. in the White Mountains, New Hampshire, A new station for, 75:153.
SCAMMAN, EDITH
The genus Pteris of Costa Rica, 63:194-205, 13 figs.
The genus Oleandra of Costa Rica, 63:335-340, 9 figs.
[—, an appreciation], 71:160-164, pl. 1406.
[—, Added note on,], 71:165.
Scamman's Ferns and Fern allies of New Hampshire, [Review], 52:228.
Scheuchzeria in western Pennsylvania, 65:34.
Schistostega pennati (Hedw.) Hook. & Tayl.: new Vermont stations, The environment of, 75:149.
SCHOFIELD, EILEEN K.
(YOUNG, STEVEN B. and —), Palynological evidence for the late glacial occurrence of Pringlea and Lyallia on Kerguelen Islands, 75:239-247, 4 figs.
SCHOFIELD, W. B.
(SMITH, E. C. and —), Contributions to the flora of Nova Scotia, 54:220-228.
Contributions to the flora of Nova Scotia: V. Results of exploration in Cumberland County, 57:301-310.
SCHUBERT, BERNICE G.
(FERNALD, MERRITT LYNDON and —), Some identities in Breweria, 51:35-43, pls. 1121-1129).
(FERNALD, MERRITT LYNDON and —), Bibliography of Charles Alfred Weatherby, 51:179-191.
(FERNALD, MERRITT LYNDON and —), Arenaria uniflora, 52:71-72.
Desmodium: preliminary studies — III., 52:135-155.
Sidney Fay Blake, 1892-1959, 62:325-338, 1 photo.
SCHULTES, RICHARD EVANS
Oakes Ames, 1874-1950, 53:67-78, pl. 1165.
(ALSTON, A. H. G. and —), Studies of early specimens and reports of Ilex vomitoria, 53:273-279, pl. 1181.
Orchidaceae neotropicales III. De Orchidaceis Insularum Trinidad et Tobago notulae additiciae, 59:280-289, 2 figs.
(BEAMAN, JOHN H. and —), Notes on Orchids from La-Bayamesa, Cuba, 59:245-251, 2 figs.
The name Lepanthes turialvae: a source of confusion, 60:97-101.
(— and DILLON, GORDON W.), Synopsis of the genus Lepanthes in Mexico, 61:1-20, pls. 1235-1236.
Plantae Austro-Americanae XI. De plantis principaliter ex Colombiae Orientalibus partibus notulae, 65:1-21, 10 figs., pls. 1274-1279.
The widening panorama in medical botany, 65:97-120, 3 figs.
Plantae Columbianae XVII. Philodendra ex regione Amazoniae nova, 66:118-126, 11 figs., pl. 1294.
(— and HOMSTEAD, BO), De plantis toxicariis e Mundo nova tropicale commentationes II. The vegetal ingredients of the Myristicaceous snuffs of the Northwest Amazon, 70:113-160, 5 figs., 1 map, pls. 1373-1380.
Some aspects of Spruce's Amazon explorations on modern phytochemical research, 70:313-339, 3 ill., pls. 1384-1385.
SCHUSTER, R. M.
(— and PATTERSON, PAUL M.), Noteworthy Hepaticae from Virginia, 59:251-259.
Notes on Nearctic Hepaticae VI. Phytogeographical relationships of critical species in Minnesota and adjacent areas of Great Lakes, 60:209-234, 243-256, 18 figs.
SCHUYLER, ALFRED E.
Evidence for the hybrid origin of Scirpus peckii, 63:237-243, 1 fig.

A new species of Scirpus in the northeastern United States, 64:43-49, 2 figs., pl. 1266.
A new status for an eastern North American Scirpus, 69: 198-202, 3 figs.
Chromosome numbers of Scirpus purshianus and Scirpus smithii, 74:398-402, 1 tab., 2 figs.
SCHWEINFURTH, CHARLES
(WINTERS, HAROLD F. and —), Some additions to the Orchid flora of Puerto Rico, 58:290-292.
(HILL, A. F., — and SEYMOUR, FRANK C.), Publication date for the Flora of Stoughton, 66:31.
[—, in Memoriam, 1890-1970,], 74:71-76, 1 photo.
Scientific books, libraries and collectors, [Review], 58:332.
Scirpus, A new status for an eastern North American, 69:198.
Scirpus in the northeastern United States, A new species of, 64:43.
Scirpus peckii, Evidence for the hybrid origin of, 63:237.
Scirpus purshianus and S. smithii, Chromosome numbers of, 74:398.
Scirpus smithii, Chromosome numbers of Scirpus purshianus and, 74:398.
Scotch Heather, 57:337.
(Scrophulariaceae), A range extension for Odontites serotina (Lam.) Dum., 72:286.
(Scrophulariaceae), from Mexico, A new variety of Leucophyllum laevigatum, 74:347.
(Scrophulariaceae) in Maryland, Mazus reptans, 64:229.
(Scrophulariaceae) I: new mitotic counts, Chromosome numbers in Penstemon, 67:187.
SCUDDAY, JAMES F.
Chamaesaracha villosa new to Texas, 67:194.
Sea-Rockets: Cakile edentula ssp. californica and C. maritima, Saga of the West Coast, 72:370.
Sedum glaucophyllum, Heteroploidy in, 72:460.
Sedum in the southwestern United States, Intraspecific variation in chromosomes of, 74:301.
Sedum sexangulare in New Hampshire, 61:247.
Seedling collection, A checklist of Walter Deane's, 63:287.
SEIDENSCHNUR, C. E.
(— and BEAMAN, JOHN H.), Cuchumatanea, a new genus of the Compositae (Heliantheae), 68:139-146, 11 figs.
SEMPLE, JOHN C.
The distribution of pubescent leaved individuals of Conocarpus erectus (Combretaceae), 72:544-547, 1 fig.
SENAY, PIERRE
(— and JOVET, PAUL), Betula michauxii, a brief symposium. 3. The type of Betula michauxii, 52:32-33, 1 fig.
Senecio anonymus Wood, an earlier name for Senecio smallii Britton, 75:211.
Senecio from Costa Rica, A new species of, 67:239.
Senecio pauperculus in Wisconsin, The intergradation of Senecio plattensis and, 65:65.
Senecio plattensis and Senecio pauperculus in Wisconsin, The intergradation of, 65:65.
Senecio smallii Britton, Senecio anonymus Wood, an earlier name for, 75:211.
SENIOR, ROBERT M.
Campanula rentonae, sp. nov., 51:302-303.
Separotheca, a new genus (Commelinaceae) from Mexico, 61:136.
SERRA, CORREA DA
[— and American Botany], [Review], 58:191-197.
Sesbania exaltata (Raf.) Cory in Essex County, Massachusetts, 62:234.
Sesbania (Leguminosae): evidence for a conservative treatment, Chromosome numbers in the genus, 57: 213.
Sessé and Mociño, The American Cruciferae of, 62:11.
Setaria faberii in Illinois, 51:391.
Setaria faberii, The type of, 61:220.
Setaria lutescens an untenable name, 53:27.
Setcreasea brevifolia, Biosystematics of, 72:264.
Setcreasea from Mexico, A new species of, 64:329.
Setcreasea ovata, The taxonomy of, 64:68.
SETTLE, WILBUR J.
(— and FISHER, T. RICHARD), The varieties of Silphium integrifolium, 72:536-543, 3 figs.

SEYMOUR, FRANK C.
Extension of Solidago erecta, 52: 288.
The type of Ulmus americana L., 54:138-139.
New plants in old places, 65:73-78.
(HILL, A. F., SCHWEINFURTH, CHARLES and —), Publication date for the flora of Stoughton, 66:31.
Bromus mollis and allies in New England, 68:168-174.
Botanical notes from the Pringle Herbarium, I., 68:514-516.
A correction, 69:69.
Notes from the Pringle Herbarium, II., 69:377-380.
Notes from the Pringle Herbarium, III., 72:47-50.
[The Flora of New England], [Review of], 72:137-141.
The Pringle Herbarium, 75:297-303.
SHARP, AARON J.
Tovara in Mexico, 54:305.
A new method for mounting evergreen conifer twigs with deciduous leaves, 66:216.
(PRINGLE, JAMES S. and —), Gentiana austromontana, a new species from the Southern Appalachians, 66:402-404, 2 figs.
SHAW, ELIZABETH A.
(ROLLINS, REED C. and —), Nomenclatural changes in Lesquerella, 74:76-79.
SHERFF, EARL EDWARD
Bidens connata var. gracilipes Fern. in western Michigan, 63: 145.
Further notes on the distribution of Bidens connata vars. pinnata and gracilipes, 64:23-28.
Notes on varieties of Bidens connata and a hybrid with B. cernua, 67:59-62.
SHETLER, STANWYN G.
An annotated list of vascular plants from Cape Sabine, Alaska, 65:208-224.
A checklist and key to the species of Campanula native or commonly naturalized in North America, 65:319-337.
News announcement — Flora North America launched, 69: 63-64.
SHIELDS, J. K.
Iris brevicaulis in Canada, 56:80.
Recently introduced plants in southern Ontario, 56:103.
SHIGO, ALEX L.
(FRIDRICH, JAMES H., RICH, AVERY E. and —), Fungi isolated from the fruits and seeds of some northern hardwood trees, 73:306-308.
SHINNERS, LLOYD H.
Aster ontarionis the same as A. pantotrichus (A. missouriensis), 51:89-91.
Aster coerulescens the same as A. praealtus, 51:91-92.
Physostegia correllii (Lundell) comb. nov., 51:120-122.
Brassica kaber (DC.) Wheeler, var. stricta (Celakovsky) Shinners, comb. nov. 52:127-128.
Sidelights from zoology on botanical nomenclature, 52:156-160.
Filago arvensis in Michigan: a second North American record, 55:228.
Prairie variety of Solidago gigantea, 55:322.
Notes on North Texas grasses, 56:25-38.
Non-validity of Nuttallian names in Fraser's Catalogue, 57:290-294.
Authorship and nomenclature of Bur Clovers (Medicago) found wild in the United States, 58: 1-13.
Illegitimacy of Persoon's species of Koeleria (Gramineae), 58: 93-96.
Elodea correct without being conserved, 58:162.
Nuttall not the author of Fraser's Catalogue, 58:281-289.
Medicago polymorpha var. vulgaris, 58:310.
Prunus americana var. lanata a synonym of P. nigra, 58:330-331.
Sisyrinchium bermudiana L. instead of S. angustifolium Miller, 59:159-160.
A modest plea in favor of divers taxons, 59:235-237.
Polygonum bicorne Raf. instead of P. longistylum Small, 59: 265-267.
Hymenopappus filifolius var. alpestris (Maguire) Shinners, comb. nov., 61:155.

Typification of the genus Forestiera (Oleaceae), 61:293-294.
Viola rafinesquii: nomenclature and native status, 63:327-335.
Hyptis radiata (Labiatae) an illegitimate name, 64:184-186.
Mazus reptans (Scrophulariaceae) in Maryland, 64:229-231.
Application of the name Kuhnia eupatorioides var. angustifolia (Compositae), 66:160.
Ipomoea amnicola (Convolvulaceae), a South American waif in Missouri, 67:200.

SHONTZ, JOHN P.
(SHONTZ, NANCY N. and —), Galinsoga ciliata (Compositae); its arrival and spread in the northeastern United States, 72:386-392.

SHONTZ, NANCY N.
(— and SHONTZ, JOHN P.), Galinsoga ciliata (Compositae); its arrival and spread in the northeastern United States, 72:386-392.

Shooting Star in southern Illinois, French's, 57:325.
Shortia galacifolia, Distribution and abundance of, 57:189.
Shortia galacifolia from Georgia, 52: 229.
Shortia galacifolia, Geographical variations in, 54:121.
Shortia galacifolia in Gray's Manual range, 58:38.
Shortia galacifolia, Remarks on the Virginia location of, 61:297.
Shortia galacifolia T. & G. under controlled conditions, Seed germination of, 68:147.
Sidopsis Rydberg and notes on Malvastrum A. Gray (Malvaceae), A reconsideration of, 69:9.
Silene virginica in the Gulf States, 58:27.
Silphium integrifolium, The varieties of, 72:536.
Silphium terebinthinaceum, A glabrous variety of, 53:133.
SILVEUS, WILLIAM ARRENTS
[Biographical sketch], 56:163-167.
Sisymbrium pauciflorum (Cruciferae), The identity of, 68:513.
Sisymbriums (Cruciferae) native to Texas and northern Mexico, Some, 62:55.
Sisyrinchium, A new Argentine, 72: 287.
Sisyrinchium angustifolium Miller, Sisyrinchium bermudiana L. instead of, 59:159.
Sisyrinchium bermudiana L. instead of S. angustifolium Miller, 59:159.

SKOG, LAURENCE E.
The genus Coriaria (Coriariaceae) in the Western Hemisphere, 74:242-253.

Smelowskia (Cruciferae), The North American representatives of, 54:85.
Smilax hispida versus S. tamnoides, 53:109.
Smilax: section Coprosmanthus, A cytotaxonomic study of the herbaceous species of, 70:55.
Smilax section Smilax of the southeastern United States, Comparative studies of, 72:289.
Smilax tamnoides, Smilax hispida versus, 53:109.

SMITH, C. EARLE, JR.
Identity of Witchweed in the southeastern United States, 68:167.
Redefinition of Cedrela oaxacensis C.DC. & Rose, 74:124-126.

SMITH, DALE M.
(—and MARTIN, WILLIAM C.), Natural hybridization of Helianthus longifolius with H. atrorubens and H. occidentalis, 61:140-147, 1 fig.
(HEISER, C. B. and —), Species crosses in Helianthus II. Polyploid species, 66:344-358, 7 figs.

SMITH, EDWIN B.
Chromosome numbers in races of Haplopappus divaricatus, 66: 63-66, 6 figs.
(— and JOHNSON, R. ROY), Microchromosomes in Aphanostephus (Compositae), 66:270-272, 1 fig.
Taxonomy of Haplopappus, section Isopappus (Compositae), 67:217-238, 3 figs.
A reversion in Polymnia canadensis (Compositae) and notes on the pedicellate disk florets in the genus, 70:559-562, 1 fig.

SMITH, E. C.
(— and SCHOFIELD, W. B.), Contributions to the flora of Nova Scotia, 54:220-228.
(— and ERSKINE, J. S.), Contributions to the flora of Nova Scotia IV., 56:242-252.
Contributions to the flora of Nova Scotia VII. Distribution of

some aquatic and paludial species, 61:275-290, 8 figs.
(HOUNSELL, R. W. and —), Contributions to the flora of Nova Scotia VIII. Distribution of arctic-alpine and boreal disjuncts, 68:409-419, 12 figs.
(HOUNSELL, R. W. and —), Contributions to the flora of Nova Scotia IX. Habitat studies of arctic-alpine and boreal disjunct species, 70:176-191, 1 map.
SMITH, GARY L.
Spergula morisonii in America, 68:520-521.
SMITH, JESSE F.
Lygodium palmatum vs. urbanization, 58:270-271.
SMITH, LYMAN B.
Borrichia frutescens from Chesapeake Bay, 55:58-59.
(LEONARD, EMERY C. and —), Sanchezia and related American Acanthaceae, 66:313-343, 5 figs.
The Bromeliaceae of Bolivia, 71: 35-57, 220-279, 3 figs.
(COLEMAN, JAMES R. and —), Chromosome numbers of some Brazilian Angiosperms, 71:548-551.
SMITHBERG, MARGARET H.
(JOHNSON, ALBERT G. and —), A new station for Hamamelis virginiana L. in Minnesota, 69: 457-459.
Snow cover and the Diapensia lapponica habitat in the White Mountains, New Hampshire, 74:358.
SNYDER, DOROTHY E.
Dalea alopecuroides on Plum Island, Essex County, Massachusetts, 52:299.
Soaking and re-pressing dried plant specimens, A quicker more satisfactory method for, 53:113.
SOEJARTO, DJAJA D.
Saurauia species and their chromosomes, 72:81-93, 1 map, 4 pls.
(Solanaceae), Biosystematic study of Chamaesaracha, 75:325.
SOLBRIG, OTTO T.
The status of the genera Amphipappus, Amphiachyris, Greenella, Gutierrezia, Gymnosperma and Xanthocephalum (Compositae), 62:43-54, 1 fig.
The coming of age of American botany, [Review], 62:85-86.
Synopsis of the genus Xanthocephalum (Compositae), 63: 151-164, 1 fig.
The typification of Xanthocephalum (Compositae), 67:182-184, pl. 1311.
(ABRAHAMSON, WARREN C. and —), Soil preferences and variation in flavonoid pigments in species of Aster, 72:251-263, 1 fig.
Solidago canadensis, Solidago rupestris and. 66:404.
Solidago chrysolepis, Solidago purshii not, 51:93.
Solidago gigantea, Prairie variety of, 55:322.
Solidago gymnospermoides in Illinois, 70:287-288.
Solidago juncea, Chaff on the receptacle of, 70:304.
Solidago purshii not S. chrysolepis, 51:93.
Solidago rupestris and S. canadensis, 66:404.
Solidago sempervirens, A new color form of. 60:261.
Solidago ulmifolia, A new variety of, 57:36.
SOPER. JAMES H.
Phytogeographic studies in Ontario I. The genus Uvularia in southern Ontario, 54:57-67, 3 figs.
SORENSEN. PAUL D.
Revision of the genus Dahlia (Compositae-Heliantheae-Coreopsidinae), 71:309-365, 367-416, 8 maps, 9 figs.
Validation of the name Dahlia australis, 71:565.
South America, New species of ferns from Central and, 62:1.
South America, The reexamination of the genus Cliococca (Linaceae) of, 73:560.
South American Gentiana, Some new names in, 56:103.
South American waif in Missouri, Ipomoea amnicola (Convolvulaceae) a, 67:200.
South Carolina, Eragrostis plana in, 72:188.
South Carolina, Species new to the flora of North or, 60:10.
South Dakota, Cyperus fuscus in Nebraska and, 71:433.
South Dakota, Trillium cernuum L. and Geranium maculatum L.: new for, 72:554.

Southeast, Lathyrus aphaca L. new to Tennessee and the, 74:155.
Southeastern States, Some new or otherwise interesting reports of Liliaceae from the, 63:304.
Southeastern States — their abundance and relation to production of floras, Taxonomic collections of vascular plants in the, 55:353.
Southern States particularly Alabama and middle Tennessee, Some notes on the flora of the, 75:366.
Species Plantarum — more than a facsimile edition, [Review], 60:59.
Species Plantarum, The second volume of, [Review], 61:312.
Specimens, A quicker more satisfactory method for soaking and repressing dried plant, 53:113.
Specimens, An electrical drier for herbarium, 52:129.
Specimens, New plastic aid in mounting herbarium, 52:298.
SPEESE, BERNICE M.
(BALDWIN, J. T. JR., — and MIKULA, BERNARD), Chromosomes of Trillium pusillum Michx. var. virginianum Fernald, 51:368, 1 fig.
(BALDWIN, J. T. JR. and —), Penthorum: its chromosomes, 53:89-91.
Spergula morisonii in America, 68:520.
Sphaeropteris horrida, The American tree ferns allied to, 73:1.
Spiraea and of certain other genera of Rosaceae, Chromosomes of, 53:203.
Spiraea tomentosa, A population study of the variation in the inflorescence of, 53:280.
Spiranthes ovalis, new for Kansas, 70:485.
Spiranthes tuberosa, new for Kansas, 72:141.
Spirodela oligorrhiza in the United States, The occurrence of, 64:83.
SPONGBERG, STEPHEN A.
A new Alaskan species of Erigeron L. (Compositae), 75:116-119, 1 fig.
Sponges, Plant pressing with plastic, 66:172.
Sporobolus cryptandrus, Subspecific variation in, 52:125.
Sporobolus texanus Vasey in Lincoln, Nebraska, 70:450.
Spruce, A "pillar"-type Black, 70:562.
Spruce in New England, The phytogeography of subalpine Black, 71:1.
SPRUCE's Amazon explorations on modern phytochemical research, Some impacts of, 70:313.
Stages in the evolution of plant species, [Review], 54:140.
Stamen-numbers in Cuphea, 52:185.
STANFORD, JACK W.
Ulmaldy T. Waterfall (1910-1971), 75:146-149.
STEELE, FREDERIC L.
(HODGDON, ALBION R. and —), Pinguicula vulgaris L. in New Hampshire, 55:349-352.
Notes on two New Hampshire trees, 56:204.
Juniperus communis var. saxatilis from Mount Washington, 58:50.
(— and HODGDON, ALBION R.), Some additions to the vascular flora of New Hampshire, 61:268-270.
Introgression of Alnus serrulata and Alnus rugosa, 63:297-304, 10 figs.
An unusual Rubus, 64:353-354.
(HODGDON, ALBION R. and —), Glandularity in Rubus alleghensis, 64:161-168, 1 fig.
(HODGDON, ALBION R. and —), Juniperus horizontalis in New Hampshire, 64:351-352.
A double-flowered form of Diapensia lapponica, 65:21.
(— and HODGDON, ALBION R.), Hybridization of Rubus hispidus and R. setosus, 65:262-270, 1 fig.
Alpine zone of the Presidential Range, [Review], 65:337-338.
Potentilla robbinsiana in the White Mountains of New Hampshire, 66:408-411.
A flora of northern New Hampshire, [Review], 66:411-412.
(HODGDON, ALBION R. and —), Rubus subgenus Eubatus in New England, 68:474-513.
The Saxifraga aizoön station revisited, 69:484-485.
A new wildflower guide, [Review], 71:107-109.
(— and HODGDON, ALBION R.), Hybrids in Rubus subgenus Eubatus in New England, 72:240-250.
(— and HODGDON, ALBION R.), Correction in article on Rubus hybrids, 72:547.

A new Mt. Washington station for Gnaphalium supinum, 72: 555-556.
(Hodgdon, Albion R. and —), Recent discoveries in the New Hampshire flora, 74:291-294.
(— and Hodgdon, Albion R.), Two interesting plants on Mt. Cardigan, Orange, New Hampshire, 75:155-157.
Steeves, Taylor A.
(— and DeWolf, Gordon P.), Note on the varieties of Zizania aquatica L., 52:34.
An interpretation of two forms of Osmunda cinnamomea, 61: 223-230, 1 fig.
Stellaria alsine, Our American forms of, 52:250.
Stentz, Janet
(Booth, W. E. and —), Montana plant-distribution records, 52: 52-53.
Stephens, H. A.
(Weedon, Ronald R. and —), Cyperus fuscus in Nebraska and South Dakota, 71:433.
Steppe, taiga and tundra, [Review], 62:258.
Sterk, Fern Frank
(Van Faasen, Paul and —), Chromosome numbers in Aster, 75:26-33.
Stevens, Charles E.
Chrysanthemum lacustre Brotero new to Gray's Manual range, 72:250.
A prior record of Chrysanthemum lacustre Brotero, 72:543.
Stevens, O. A.
A simple plastic collecting bag, 51:393.
Problems in indicating plant distribution, 53:222-226.
New records for North Dakota, 63:39-46.
New records of North Dakota plants, 74:389-396.
Stevenson, G. A.
(Marshall, H. H., Gross, A. T. H. and —), Natural hybrids of Lady's Slippers (Cypripedium) in Manitoba, 68:53-58.
Stewartia, A seventeenth century record for, 71:434.
Stewartia ovata on the Coastal Plain, A second station for, 63:206.
Steyermark, Cora S.
(Steyermark, Julian A. and —), Hepatica in North America, 62:223-232.
Steyermark, Julian A.
New Missouri plant-records (1946-1948), 51:115-119.
(— and Swink, Floyd A.), Plants new to Illinois or to Chicago area in Illinois, 51: 147-149.
Lindera melissaefolia, 51:153-162, pl. 1151.
A glabrous variety of Silphium terebinthinaceum, 53:133-135.
Color-forms of the May-apple, 54:131-134.
(— and Swink, Floyd A.), Plants new to Illinois and to the Chicago region, 54:208-213.
New Missouri plant records (1949-1951), 54:250-260.
Another Coastal Plain relict in the Missouri Ozark region, 55: 15-17.
Color form of Helianthus mollis, 55:108.
Elymus riparius in Illinois, 55: 156.
Dodecatheon amethystinus and forma margaritaceum in the Missouri Ozarks, 55:226-227.
The discovery and destruction of Callicarpa americana in Missouri, 55:238-241.
Notes on some roses in the Gray's Manual range, 56:70-80.
(— and Swink, Floyd A.), Calycera balsamitaefolia in the United States, 57:72.
Epipactis helleborine in Illinois, 57:131.
(— and Swink, Floyd A.), Plants new to Illinois and to the Chicago region, 57:265-268.
(Palmer, Ernest Jesse and —), Plants new to Missouri, 57:310-319.
(— and Swink, Floyd A.), Asclepias syriaca var. kansana in New York State, 58:197-198.
Flora of Winnebago County, Illinois, [Review], 58:273-274.
White-flowered forms of Liatris and Vernonia, 59:23-24.
(—, Swink, Floyd A. and Thieret, John W.), Plants new to Illinois and Indiana and the Chicago region, 59:31-33.
×Carex deamii in Missouri, 60: 174.
An albino form of Dipsacus sylvestris, 60:174-175.
An unusual botanical area in Missouri, 60:205-208.

(— and SWINK, FLOYD A.), Plants new to Illinois and to the Chicago region, 61:24-27.
New forms of Trillium recurvatum, 61:124.
New combinations and forms in the Missouri flora, 62:130-132.
(— and STEYERMARK, CORA S.), Hepatica in North America, 62:223-232.
An unusual hybrid Helenium, 62: 343-346.
(— and KUCERA, C. L.), New combinations in grasses, 63:24-26.
STIMSON, WILLIAM R.
Additions to the flora of the Bimini Island group, Bahama Islands, 69:60.
Stipa (Gramineae), A new intergeneric hybrid involving Oryzopsis and, 59:273.
Stipulicida in Gray's Manual range, 69:59.
Stipulicida setacea, A new variety of, 59:98.
STONE, RICHARD A.
(HEHRE, EDWARD J., CONWAY, JOAN M. and —), Flora of the Wolf Islands, Part III: The marine algae, 72:115-118.
(—, HEHRE, EDWARD J., CONWAY, JOAN M. and MATHIESON, ARTHUR C.), A preliminary checklist of the marine algae of Campobello Island, New Brunswick, Canada, 72:313-338, 1 map.
Streptanthus, A new species of, 58: 354.
Streptanthus (Cruciferae), Protandry in two species of, 65:45.
Streptopus oreopolus Fern., a hybrid taxon, 65:310.
Striga asiatica and Chrysoma pauciflosculosa in the Carolinas, 60:289.
STRIPLING, H. LARRY
(LEWIS, WALTER H., — and ROSS, RICHARD G.), Chromosome numbers for some Angiosperms of the southern United States and Mexico, 64:147-161, 55 figs.
STUCKEY, IRENE H.
A range extension for Suaeda americana in New England, 71:560-561.
STUCKEY, RONALD L.
Thlaspi tuberosum Nutt., a taxonomic synonym of Cardamine douglassii Britt. (Cruciferae), 69:460-465.
Biography of Thomas Nuttall: a review with bibliography, 70: 429-438.
Distributional history of Epilobium hirsutum (Great Hairy Willow-Herb) in North America, 72:164-181, 3 figs.
(— and PHILLIPS, W. LOUIS), Distributional history of Lycopus europaeus (European Water-Horehound) in North America, 72:351-369, 2 figs.
STUESSY, TOD F.
The genus Acanthospermum (Compositae-Heliantheae-Melampodinae): taxonomic changes and generic affinities, 72:106-109.
Greenmania: a taxonomic synonym of Unxia (Compositae, Heliantheae), 73:291-292.
Revision of the genus Melampodium (Compositae: Heliantheae), 74:1-70, 161-219, 16 maps, 10 figs.
Stylosanthes (Leguminosae), Further considerations in, 65:245.
Stylosanthes, Recent studies in the Leguminous genus, 62:340.
(Styracaceae), Some identities in Halesia, 60:86.
Suaeda americana in New England, A range extension for, 71:560.
Substrate for Polysiphonia paniculata Montagne, An unusual, 75:488.
Subularia (Cruciferae), The genus, 66:127.
Suessenguthia (Acanthaceae), A synopsis of the genus, 72:119.
Sunflowers (Helianthus) from the southwestern United States, Three new annual, 60:272.
SVENSON, HENRY K.
What is Hypericum prolificum? 54:205-207, pl. 1187.
A further note on the plants of Vinland the Good, 54:289-290.
The Eleocharis obtusa-ovata complex, 55:1-6, pls. 1188-1189.
Maud H. Purdy 1874-1965, 70: 283-286, 1 photo.
A model flora of Ohio — "The Monocotyledoneae" by E. Lucy Braun, [Review], 71:562-564.
Western Cape Cod: plant notes, 72:1-16.
A Linden (Tilia) forest on Cape Cod (with extended notes on Tilia neglecta, Bromus pubescens and Ribes hirtellum), 72: 339-350, 1 fig.

The rachilla in Cape Cod species of Carex with notes on the history of the perigynium and rachilla, 74:321-330, 17 figs.
Rediscovery of Tilia neglecta Spach, 74:469-474, 2 figs.

SWALLEN, JASON R.
A new species of Panicum from New Jersey, 63:235-236.
New species of Digitaria and Trichachne, 65:355-357.

SWAN, EMERY F.
(MATHIESON, ARTHUR C., — and FRALICK, RICHARD A.), An abnormal specimen of Laminaria digitata (L.) Lamouroux, 74: 127-130, 3 figs.

SWARTZ, STEVEN
(COLT, L. C. JR. and —), An unusual substrate for Polysiphonia paniculata Montagne, 75: 488-490.

SWAYNE, JULIUS R.
(VOIGT, JOHN W. and —), French's Shooting Star in southern Illinois, 57:325-332, 3 figs.

SWINK, FLOYD A.
(STEYERMARK, JULIAN A. and —), Plants new to Illinois or to the Chicago area in Illinois, 51:147-149.
(STEYERMARK, JULIAN A. and —), Plants new to Illinois and to the Chicago region, 54:208-213.
(STEYERMARK, JULIAN A. and —), Calycera balsamitaefolia in the United States, 57:72.
(STEYERMARK, JULIAN A. and —), Plants new to Illinois and to the Chicago region, 57:265-268.
(STEYERMARK, JULIAN A. and —), Asclepias syriaca var. kansana in New York State, 58:197-198.
(STEYERMARK, JULIAN A, — and THIERET, JOHN W.), Plants new to Illinois and Indiana and the Chicago region, 59:31-33.
(STEYERMARK, JULIAN A. and —), Plants new to Illinois and to the Chicago region, 61:24-27.

Synthlipsis (Cruciferae), The genus, 61:253.
Systematic botany, Deep-freezing flowers for laboratory instruction in, 52:289.
Taiga and tundra, Steppe, [Review], 62:258.

TAKHTAJAN, A.
XII International Botanical Congress, June 23-30 1975, 74:532-533.

Talinum (Portulacaceae) from the Cedar Glades of middle Tennessee, A new, 69:466.
Taxon, The misuse of the term, 59:43.
Taxonomy today and tomorrow, 54:1.
Taxons, A modest plea in favor of divers, 59:235.

TAYLOR, CONSTANCE
(— and TAYLOR, R. JOHN), Podophyllum peltatum f. deamii from Bryan County, Oklahoma, 66:167.
(TAYLOR, R. JOHN and —), Additions to the vascular flora of Oklahoma, 67:191-193.
(TAYLOR, R. JOHN and —), Additions to the vascular flora of Oklahoma — II., 69:480-482.
(TAYLOR, R. JOHN and —), The vascular flora of Oklahoma — additions and comments, 71: 215-219.

TAYLOR, R. JOHN
(TAYLOR, CONSTANCE and —), Podophyllum peltatum f. deamii from Bryan County, Oklahoma, 66:167.
(— and TAYLOR, CONSTANCE), Additions to the vascular flora of Oklahoma, 67:191-193.
(— and TAYLOR, CONSTANCE), Additions to the vascular flora of Oklahoma — II., 69:480-482.
(— and TAYLOR, CONSTANCE), The vascular flora of Oklahoma — additions and comments, 71: 215-219.

TAYLOR, RONALD J.
(DOUGLAS, GEORGE W. and —), Contributions to the flora of Washington, 72:496-501.

TAYLOR, WILLIAM RANDOLPH
A Punctaria new to New England waters, 73:293-295, 1 fig.
Technique for morphological analysis in population studies, A, 54:217.
Technique for the plant collector, A freeze-dry, 70:410.
Technique, Herbarium, 51:59.

TEERI, JAMES A.
(EYDE, RICHARD H. and —), Floral anatomy of Rhexia virginica (Melastomataceae), 69: 163-178, 11 figs., pls. 1351-1352.

Developmental variability of Cornus canadensis in northern New England, 70:278-282, 1 fig.
The phytogeography of subalpine Black Spruce in New England, 71:1-6, 1 fig.
Temporal variation, 54:303.
Tennessee, A new Talinum (Portulacaceae) from the Cedar Glades of middle, 69:466.
Tennessee and the Southeast, Lathyrus aphaca L. new to, 74:155.
Tennessee, Arabis perstellata in, 62: 242.
Tennessee, Eriogonum harperi Goodman in, 74:154.
Tennessee, Some Cruciferae of the Nashville Basin, 54:182.
Tennessee, Some notes on the flora of the Southern States, particularly Alabama and middle, 75:366.
Tennessee, Some plants new to, 68: 518.
Tennessee, The genus Ilex in, 53:229.
Tephrosia (Leguminosae), The American barbistyled species of, 51:193, 233, 305, 369.
Ternstroemia from Jamaica, B.W.I., A new species of, 59:36.
Terrell, Edward E.
Striga asiatica and Chrysoma pauciflosculosa in the Carolinas, 60:289.
A revision of the Houstonia purpurea group (Rubiaceae), 61: 157-180, 188-207, 4 maps.
(Lewis, Walter H. and —), Chromosomal races in eastern North American species of Hedyotis (Houstonia), 64:313-323, 2 figs.
Biometric and taxonomic uses of cellulose acetate plastic, 70: 552-558, 2 figs., pl. 1401.
Notes on Festuca arundinacea and F. pratensis in the United States, 70:564-568.
Tetracoccus (Euphorbiaceae), The genus, 56:45.
Teuscheria, The present status of the recently described genus, 61:35.
Texas, A new Zephyranthes from southern, 63:214.
Texas and its bearing on the status of Thelesperma filifolium, Thelesperma nuecense, a new species from south, 61:243.
Texas and northeastern Mexico, Some Sisymbriums (Cruciferae) native to, 62:55.
Texas and northern Mexico, Croton suaveolens and Croton abruptus (Euphorbiaceae) of western, 62:77.
Texas, Calliandra biflora, a new species of Leguminosae (Mimosoideae), from southern, 56:132.
Texas, Chamaesaracha villosa new to, 67:194.
Texas Grasses, Notes on north, 56: 25.
Texas, Manual of the vascular plants of, [Review], 72:533.
Texas, Miscellaneous Cruciferae of Mexico and western, 59:61.
Texas III, Some additions and corrections to the flora of, 68:420.
Texas, The Noseburn (Tragia, Euphorbiaceae) of western, 64:137.
Texas, Wolffia papulifera in, 54:306.
Thallophytes and Bryophytes of the Canadian Eastern Arctic, [Review], 52:251.
Tharp, B. C.
Calliandra biflora, a new species of Leguminosae (Mimosoideae) from southern Texas, 56:132.
William Arrents Silveus, 56: 163-167.
Thelepogon elegans Roth in the Dominican Republic, 60:73.
Thelesperma filifolium, Thelesperma nuecense, a new species from south Texas and its bearing on the status of, 61:243.
Thelesperma nuecense, a new species from south Texas and its bearing on the status of T. filifolium, 61: 243.
Thelypteris, New combinations in, 61: 305.
Thelypteris palustris, Structure and variation in spores of, 73:444.
Thelypteris, Taxonomic Fern notes V. New combinations in Peruvian species of, 69:5.
Thieret, John W.
Dipsacus laciniatus in Illinois, 55:268.
(Steyermark, Julian A., Swink, Floyd A. and —), Plants new to Illinois and Indiana and the Chicago region, 59:31-33.
(— and Evers, Robert A.), Notes on Illinois grasses, 59: 123-124.
(Evers, Robert A. and —), New plant records: Illinois and Indiana, 59:181.
Plants new to Illinois and to the Chicago region, 59:289.

(— and GLASSMAN, SIDNEY F.), Grasses new to Illinois and the Chicago region, 60:264.
The specific epithet of the Pecan, 63:296.
Life-forms in the Plains flora of southern Mackenzie, Northwest Territories, 65:149-157.
Nemophila microcalyx, an incorrect name, 72:399-400.
Thistle in Virginia, The Blessed, 62:233.
Thlaspi tuberosum Nutt., a taxonomic synonym of Cardamine douglassii Britt. (Cruciferae), 69:460.
THOMAS, JOAB L.
(GREEN, PETER S. and —), The bulbiferous Ranunculus ficaria, 63:289-291.
(— and DERAMUS, REBECCA), The chromosome number of Neviusia alabamensis Gray, 66:274.
(FARMER, JOE A. and —), Disjunction and endemism in Croton alabamensis, 71:94-103, 1 map, 3 figs.
THOMAS, JOHN H.
Cochlearia officinalis arctica in the vicinity of Point Barrow, Alaska, 54:40-42.
Thuja occidentalis resembling known cultivars, New form of, 74:352.
Thymelaeaceae, Chromosome counts of two, 64:277.
(Thymelaeaceae) new to the Western Hemisphere, Edgeworthia, 74:436.
Tiarella cordifolia in Wisconsin, 58:309.
TIDESTROM, IVAR
[—, 1864-1956], [Biographical sketch], 59:161-168, pl. 1229.
TIFFNEY, WESLEY N.
(— and TIFFNEY, WESLEY N., JR.), Tulostoma brumale Pers., a new record for New England, 67:89-91.
(TIFFNEY, WESLEY N., JR. and —), A population study of Tulostoma brumale, 73:20-38, 3 figs.
TIFFNEY, WESLEY N., JR.
(TIFFNEY, WESLEY N. and —), Tulostoma brumale Pers., a new record for New England, 67:89-91.
(— and TIFFNEY, WESLEY N.), A population study of Tulostoma brumale, 73:20-38, 3 figs.
Snow cover and the Diapensia lapponica habitat in the White Mountains, New Hampshire, 74:358-377, 2 tabs., 5 figs.
A new station for Saxifraga rivularis L. in the White Mountains, New Hampshire, 75:153-155, 1 fig.
(Tilia) forest on Cape Cod (with extended notes on Tilia neglecta, Bromus pubescens and Ribes hirtellum), A Linden, 72:339.
Tilia neglecta, Bromus pubescens and Ribes hirtellum), A Linden (Tilia) forest on Cape Cod (with extended notes on, 72:339.
Tilia neglecta Spach, Rediscovery of, 74:469.
Tillaea aquatica (Crassulaceae) in Canada and Alaska, A history of, 56:96.
Tofieldia glutinosa (Liliaceae), A new combination in, 73:53.
TORRES, ANDREW M.
(— and BEAMAN, JOHN H), The status of Aganippea bellidiflora (Compositae-Heliantheae), 66:156-159.
New chromosome numbers in Zinnia and Sanvitalia, 68:215-216.
TORREY, R. E.
(— and DAVIS, EDWARD L.), The old Massachusetts Herbarium, 55:7-14.
Torreyochloa fernaldii (Gramineae), The authorities for, 52:53.
Torreyochloa, The genus, 54:197.
Torreyochloa to Puccinellia, Suggestion for the assignment of, 54:42.
Tovara in Mexico, 54:305.
Tovara (Polygonaceae), The genus, 54:19.
(Toxicodendron, Anacardiaceae), The systematics and ecology of Poison-ivy and the Poison-oaks, 73:72, 161, 370, 465.
Tragia (Euphorbiaceae) in the United States, A preliminary revision of, 69:241.
(Tragia, Euphorbiaceae) of western Texas, The Noseburn, 64:137.
Tragopogon, A nomenclatural note in the genus, 55:325.
Tragopogon, The chromosomes of, 56:7.
Transfers and minor variations, Studies of eastern American plants 6., 51:103.
Transfers, Three minor, 52:71.

TRAUB, HAMILTON P.
Hymenocallis littoralis from Florida, 59:99.
Tree names, Some notes on United States, 54:67.
Trees and other plants? Why so many careless books on, 52:272.
Trees of the United States, Mapping ranges of the, 53:195.
Tribulus adventive in the New World, Another, 69:455.
Tribulus cistoides (Zygophyllaceae), Interactions between Apis mellifera (Hymenoptera: Apidae) and, 74: 117.
Trichachne, New species of Digitaria and, 65:355.
Trichome complements in a North American group of Vernonia (Compositae), The systematic value of, 75:517.
Tridens record from Missouri, A new, 59:72.
Tridens strictus, Two new States for, 52:126.
Trientalis borealis, The southern limits of, 72:489.
Trilisa and Litrisa (Compositae), Generic considerations concerning Carphephorus, 60:117.
Trilisa (Compositae), Generic considerations concerning Carphephorus and, 70:474.
Trilisa paniculata, A white form of, 53:114.
Trillium cernuum L. and Geranium maculatum L.: new for South Dakota, 72:554.
Trillium persistens (Liliaceae), a new pedicellate-flowered species from northeastern Georgia and adjacent North Carolina, 73:244.
Trillium pusillum Michx., var. virginianum Fernald, Chromosomes of, 51:368.
Trillium recurvatum, New forms of, 61:124.
Trillium, Two new variations in, 55: 101.
Trinidad et Tobago notulae additiciae, Orchidaceas neotropicales III. De Orchidaceis Insularum, 59:280.
Triosteum angustifolium, A new color form of, 55:346.
Triosteum (Caprifoliaceae), Tribal classification of, 75:120.
Triphora trianthophora in Ontario, Notes on, 58:31.
Triphora trianthophora (Sw.) Rydb. in Maine, 71:509.
Triphora trianthophora (Sw.) Rydb. in Maine, A second occurrence for, 74:141.
TRIPP, JOSEPH W.
(NICKERSON, NORTON H. and —), Floral dimorphism in Rachicallis americana (Jacq.) Hitch. (Saltwaterbush), 75:111-113.
Tripsacum, Some observations on the dissemination of, 66:371.
Tropical marine botany, An indispensable manual of, [Review], 63: 57.
TRYON, ALICE F.
Some new aspects of the Fern Platyzoma microphyllum, 63: 91-102, 2 figs.
Notes on the Fern genus Eriosorus, 65:56-57.
Comparison of sexual and apogamous races in the Fern genus Pellaea, 70:1-24, 9 figs., pl. 1371.
Structure and variation in spores of Thelypteris palustris, 73: 444-460, 22 figs.
Spores, chromosomes and relations of the Fern Pellaea atropurpurea, 74:220-241, 2 tabs., 34 figs.
TRYON, ROLLA M.
New species of Ferns from Central and South America, 62:1-10, 2 figs., 1251-1252.
Taxonomic Fern notes I., 63:70-88, pls. 1255-1258.
A botanical atlas of the Danish flora, [Review], 63:349.
The Ferns and Fern Allies of Chihuahua, [Review], 64:347-348.
Taxonomic Fern notes, IV. Some American Vittarioid Ferns, 66: 110-117.
(— and BRITTON, DONALD M.), A study of variation in the cytotypes of Dryopteris spinulosa, 68:59-92, pls. 1320-1327.
Taxonomic Fern notes, V. New combinations in Peruvian species of Thelypteris, 69:5-8.
The Flora of Eastern Himalya, [Review], 69:456-457.
Manual of the Vascular Plants of Texas, [Review], 72:533-535.
The American tree ferns allied to Sphaeropteris horrida, 73: 1-19, 2 maps, 24 figs.

Taxonomic Fern notes, VI. New species of American Cyatheaceae, 74:441-450, 19 figs.
Aquatic and wetland plants of the southwestern United States, [Review], 75:114-115.
Tsuga, Preparing specimens of Picea and, 54:232.
Tubiflorae, Studies of eastern American plants. 4. Emendations in the order, 51:70.
Tulostoma brumale, A population study of, 73:20.
Tulostoma brumale Pers., a new record for New England, 67:89.
Tundra, Steppe, taiga and, [Review], 62:258.
TURNER, BILLIE L.
Chromosome numbers in the genus Sesbania (Leguminosae); evidence for a conservative treatment, 57:213-218, 3 figs.
A cytotaxonomic study of the genus Hymenopappus (Compositae), 58:163-186, 208-242, 250-269, 295-308, 47 figs.
Chromosome numbers in the genus Krameria: evidence for familial status, 60:101-106, 4 figs.
Thelesperma nuecense, a new species from south Texas and its bearing on the status of T. filifolium, 61:243-246.
(— and IRWIN, H. S.), Chromosome numbers in the Compositae. II. Meiotic counts for fourteen species of Brazilian Compositae, 62:122-126, 8 figs.
(— and IRWIN, H. S.), Chromosome numbers of some Brasilian Leguminosae, 63:16-19, 4 figs.
(—, BEAMAN JOHN H. and ROCK, H. F. L.), Chromosome numbers in the Compositae. V. Mexican and Guatemalan species, 63:121-129, 25 figs.
(JOHNSTON, MARSHALL C. and —), Chromosome numbers of Dyssodia (Compositae-Tagetinae) and phyletic interpretations, 64:2-15, 9 figs.
(—, POWELL, M. and KING, R. M.), Chromosome numbers in the Compositae — VI. Additional Mexican and Guatemalan species, 64:251-271, 33 figs.
(BEAMAN, JOHN H. and —), Chromosome numbers of Mexican and Guatemalan Compositae, 64:271-276, 4 figs.
(Turneraceae), Reproductive biology of Piriqueta caroliniana, 66:100.
Tussilago farfara in Maryland, 53:93.
Tussilago farfara L. (Senecioneae-Asteraceae) in Virginia, 74:403.
TYLER, HARRY R., JR.
(HODGDON, ALBION R., PIKE, RADCLIFFE B. and —), More additions to the flora of Grand Manan, New Brunswick, 71:306-308.
Typographical errors in Gray's Manual, Misprints and other, 52:280.

UGENT, DONALD
Epilobium × wisconsinense, hybr. nov., 65:274-279, 5 figs.
UHL, CHARLES H.
Heteroploidy in Sedum glaucophyllum, 72:460-479, 17 figs.
Intraspecific variation in chromosomes of Sedum in the southwestern United States, 74:301-320, 30 figs.
Ulmus americana L., The type of, 54:138.
Ulmus and Platanus, New chromosome counts in, 71:544.
Ulmus L., A case of albinism and of presumptive self-compatibility in, 70:294.
(Umbelliferae), Mock Bishop's Weed in the New World Tropics: range extensions for Ptilimnium capillaceum, 72:393.
(Umbelliferae), Rediscovery of the genus Neoparrya Mathias, 60:265.
UNDERWOOD, J. K.
(ROGERS, KEN E. and —), Some plants new to Tennessee, 68:518-519.
UNGAR, IRWIN A.
Sporobolus texanus Vasey in Lincoln, Nebraska, 70:450-451.
Atriplex patula var. hastata seed dimorphism, 73:548-551, 1 fig.
United States, A new species of Neuropogon from the, 56:154.
United States, A new species of Scirpus in the northeastern, 64:43.
United States, A preliminary revision of Tragia (Euphorbiaceae) in the, 69:421.
United States, A range extension for Hudsonia ericoides in the southeastern, 70:289.
United States, Adiantum capillus-veneris in the, 52:201.

United States and Mexico, Chromosome numbers for some Angiosperms of the southern, 64:147.
United States, Aquatic and wetland plants of the southwestern, [Review], 75:114.
United States, Authorship and nomenclature of Bur Clovers (Medicago) found wild in the, 58:1.
United States, Calycera balsamitaefolia in the, 57:72.
United States, Comparative studies of Smilax, section Smilax of the southeastern, 72:289.
United States, Cytotaxonomic notes on the species of Cirsium native to the southeastern, 71:285.
United States, Discovery of Arenaria marcescens in the, 61:123.
United States, Distribution of native and introduced Knapweeds (Centaurea) in Canada and the, 74:331.
United States, Eragrostis domingensis (Pers.) Steud., new to the, 71:479.
United States, Erroneous record of Diplotaxis erucoides from western, 55:291.
United States, Galinsoga ciliata (Compositae): its arrival and spread in the northeastern, 72:386.
United States, Identity of Witchweed in the southeastern, 68:167.
United States, Intraspecific variation in chromosomes of Sedum in the southwestern, 74:301.
United States, Mapping ranges of the trees of the, 53:195.
United States, New Elatine (Elatinaceae) populations in the southeastern, 66:47.
United States, Notes on Festuca arundinacea and F. pratensis in the, 70:564.
United States, Notes on Paspalum minus and Andropogon pertusus in the, 66:273.
United States, Notes on the cleistogamous species of Polygala in southeastern, 59:51.
United States, Paspalum fimbriatum in the, 64:85.
United States, Phippsia algida in the, 54:141.
United States Physalis, Emendations in, 70:574.
United States, Pinguicula (Lentibulariaceae) in the southeastern, 59:217.
United States, Potentilla procumbens in the, 51:390.
United States, Reappraisal of two plumose Rhynchosporas of the southeastern, 58:335.
United States, Some floristic relationships between Mexico and the, 56:81.
United States: taxonomic and floristic status, Arthraxon hispidus (Gramineae) in the, 73:39.
United States, Taxonomy of the narrow-leaved Vernonia of the southeastern, 66:382.
United States, The morphology and systematics of the Audouinella complex (Acrochaetiaceae, Rhodophyta) in northeastern, 75:529.
United Stataes, The genus Lechea (Cistaceae) in the southeastern, 63:103.
United States, The occurrence of Spirodela oligorrhiza in the, 64:83.
United States, Three new annual Sunflowers (Helianthus) from the southwestern, 60:272.
United States tree names, Some notes on, 54:67.
United States, Two new Carices from southeastern, 57:156.
United States, Two species of Chamaesyce (Euphorbiaceae) new to the, 67:185.
United States, Varieties of Ballota nigra in the eastern, 68:93.
Unxia (Compositae, Heliantheae), Greenmania: a taxonomic synonym of, 73:291.
Upham, Ethel E.
Epipactis helleborine again, 51:162-164.
Urbanization, Lygodium palmatum vs. 58:270.
Utah, An undescribed species of Astragalus (Leguminosae) from, 72:189.
Utah, Novelties in Hermidium (Nyctaginaceae) and Astragalus (Leguminosae) from eastern, 54:158.
Utah, Tall Wheat-grass, a new roadside species in, 65:318.
Utricularia biflora and U. fibrosa, Notes on, 58:41.
Utricularia cornuta Michx. and Utricularia juncea Vahl, Germination and developmental morphology of seeds in, 73:541.
Utricularia fibrosa, Notes on Utricularia biflora and, 58:41.
Utricularia juncea Vahl, Germination and developmental morphology of seeds in Utricularia cornuta Michx. and, 73:541.

UTTAL, LEONARD J.
Heterotheca subaxillaris on Long Island, New York, 56:182-183.
A dark-hooded variant of Asclepias amplexicaulis, 57:336-337.
Notes on Utricularia biflora and U. fibrosa, 58:41-43.
Synthesis of Aster herveyi, 64: 113-117, pl. 1267.
(LONG, ROBERT W. and —), Some observations on flowering in Ruellia (Acanthaceae), 64: 200-206.
A hybrid population of Claytonia in Virginia, 66:136-139, pl. 1296.
A defense of Carex intumescens var. fernaldii, 73:51-52.
Uvularia, A new name for the puberulent sessile-leaved, 63:36.
Uvularia in southern Ontario, Phytogeographic studies in Ontario. 1. The genus, 54:57.
Uvularia (Liliaceae), A revision of the North American genus, 65:158.

Vaccinium macrocarpon, An albino fruited form of, 64:350.
Vaccinium uliginosum, On the taxonomy and distribution of, 72:439.
VAN FAASEN, PAUL
(— and STERK, FERN FRANK), Chromosome numbers in Aster, 75:26-33.
VAN SCHAACK, GEORGE B.
Calamagrostis insperata in Missouri, 56:43.
Vapor fractometry in the analysis of some New England Hops, The use of, 64:243.
Variance in herbarium specimen identification and other considerations based upon the preparation of a local flora, 63:207.
Variation, Temporal, 54:303.
Vaucheria compacta var. koksoakensis, The type of, 60:329.
Vaucheria previously unknown from North America, Description, distribution and ecology of three species of, 60:283.
Vaucheriae, New England salt marsh, 70:274.
VENARD, HASKELL
A necessary transfer in Liatris, 51:34-35.
Ranunculus texensis Engelm. antedated by R. laxicaulis (T. & G.) Darby, 51:164-167.
The white form of Aster puniceus var. firmus, 51:231-232.
(DUNCAN, WILBUR H., — and MCDOWELL, G. W.), Shortia galacifolia from Georgia, 52: 229-232, 1 map.
Verbesina (Compositae), A cytotaxonomic study in, 70:95.
Verbesina (Compositae) endemic to Florida, Nomenclatural clarification of two species of, 74:97.
[Vermont], Vernon Black Gum Swamp, 72:280.
Vermont, Alisma gramineum in, 70: 577.
Vermont, A new station for Rhododendron maximum in northern, 65: 22.
Vermont, Cyperus feruginescens in, 64:352.
Vermont stations, The environment of Schistostega pennati (Hedw.) Hook. & Tayl.: new, 75:149.
Vermont, The Flora of, [Review], 73:68.
Vernon Black Gum Swamp, [Vermont], 72:280.
Vernonia acaulis, V. glauca and V. noveboracensis (Compositae), The taxonomy of, 72:145.
Vernonia (Compositae), Chromosome numbers in, 68:49.
Vernonia (Compositae), The systematic value of trichome complements in a North American group of, 75:517.
Vernonia crinita in Illinois, 59:119.
Vernonia glauca and V. noveboracensis (Compositae), The taxonomy of Vernonia acaulis, 72:145.
Vernonia hybrid in a disturbed habitat, An example of a, 70:486.
Vernonia noveboracensis (Compositae), The taxonomy of Vernonia acaulis, V. glauca and, 72:145.
Vernonia of the southeastern United States, Taxonomy of the narrow-leaved, 66:382.
Vernonia, White-flowered forms of Liatris and, 59:23.
Veronica filiformis a weed of lawns and gardens, 51:365.
Viability of seed of the Black Locust, 58:26.
Viburnum cassinoides, Synonymy in Viburnum obovatum and, 52:179.
Viburnum dentatum, The diagnostic value of fresh mature drupes of Viburnum recognitum and, 70:288.
Viburnum obovatum and V. cassinoides, Synonymy in, 52:179.

Viburnum recognitum and V. dentatum, The diagnostic value of fresh mature drupes of, 70:288.
Viburnum wurdackii, a new Peruvian species, 71:554.
Vicia (Leguminosae) in Florida, A new species of, 60:256.
Vinber and Vingland, The identity of, 53:244.
Vinland the Good, A further note on the plants of, 54:289.
Vinland, The identity of Vinber and, 53:244.
Viola eriocarpa vs. V. pensylvanica, 61:219.
Viola palustris in Arizona, 65:49.
Viola pensylvanica, Viola eriocarpa vs., 61:219.
Viola rafinesquii: nomenclature and native status, 63:327.
Viola rafinesquii, the only Melanium Violet native to North America, 66: 32.
Viola, Studies of eastern American plants 2. Rhizome-characters in and minor forms of, 51:51.
Violet native to North America, Viola rafinesquii, the only Melanium, 66: 32.
Virgin Islands, Annotated check-list of the Dicotyledons of Tortola, 69: 385.
Virgin Islands, Common trees of Puerto Rico and the, [Review], 67: 93-94.
Virgin Islands, Further changes and additions to the flora of Porto Rico and the, 69:372.
Virgin Islands", Nomenclatural changes and additions to Britton and Wilson's "Flora of Porto Rico and the, 67:315.
Virginia, A hybrid population of Claytonia in, 66:136.
Virginia, A new Cruciferous weed, Calepina irregularis in, 59:278.
Virginia, Alternanthera in, 59:239.
Virginia and Maryland including the Chesapeake Bay area, The marine algae of, 75:258.
Virginia, Bunias erucago in, 62:293.
Virginia III. Collections made in southeastern Virginia by Bayard Long, Bryophytes of, 53:117.
Virginia, Diervilla sessilifolia in, 51: 60.
Virginia flora, New and overlooked species of the, 72:272.
Virginia, Helenium curtisii in, 51:303.
Virginia, Isotria medeoloides on the Piedmont of, 71:303.
Virginia location of Shortia galacifolia, Remarks on the, 61:297.
Virginia, Note on Cimicifolia rubifolia Kearney in, 66:135.
Virginia, Noteworthy Hepaticae from, 59:251.
Virginia, Phytogeography of the Carices of, 75:248.
Virginia plants, Notes on four, 51:12.
Virginia, The Blessed Thistle in, 62: 233.
Virginia, The mountain element in the flora of the peninsula of, 67: 393.
Virginia, Tussilago farfara L. (Senecioneae-Asteraceae) in, 74:403.
Virginia with notes on the two Pignuts, Carya glabra and C. ovalis, A key to the Hickories north of, 52:188.
Vitis riparia, A culinary use for the leaf of, 52:225.
VOGELMAN, H. W.
Chromosome number in some American farinose Primulas with comments on their taxonomy, 62:31-42, 15 figs.
(— and CHARETTE, L. A.), A new station for Rhododendron maximum in northern Vermont, 65:22-25, 1 map.
VOIGT, JOHN W.
Additional collections of Andropogon elliottii in southern Illinois, 53:128-130, 1 fig.
A technique for morphological analysis in population studies, 54:217-220, 2 figs.
Plants recently found in southern Illinois, 55:290-291.
Southern Illinois flora: recent additions, 57:159-160.
(— and SWAYNE, JULIUS R.), French's Shooting Star in southern Illinois, 57:325-332, 3 figs.
(MOHLENBROCK, ROBERT H. and —), Contributions to the flora of southern Illinois, 59:125-128.
(MOHLENBROCK, ROBERT H. and —), New plant records from Illinois, 62:239-241.
VOSS, EDWARD G.
(— and WILSON, JANES S.), Clarence R. Hanes, 58:272-273.
Which side is up? A look at the leaves of Oryzopsis, 63:285-287.
Nomenclatural notes on Monocots, 68:435-463.

WAGENKNECHT, BURDETTE L.
Note on Elaeagnus commutata, 62:29.
Revision of Heterotheca, section Heterotheca (Compositae), 62: 61-76, 97-107.
WAGNER, WARREN H., JR.
(— and HAGENAH, DALE J.), A natural hybrid of Polystichum lonchitis and P. acrostichoides from the Bruce Peninsula, 56: 1-6, 1 fig., pl. 1198.
Cytotaxonomic observations of North American ferns, 57: 219-240, 2 tabs., 33 figs.
(— and HAGENAH, DALE J.), A diploid variety in the Cystopteris fragilis complex, 58:79-87, 1 fig., pl. 1224.
(— and BEALS, T. F.), Perennial Ragweeds (Ambrosia) in Michigan, with the description of a new intermediate taxon, 60: 177-204, 4 figs., pl. 1234.
The hybrid Ragweed, Ambrosia artemisiifolia × trifida, 60: 309-316, 2 figs.
Roots and the taxonomic differences between Botrychium oneidense and B. dissectum, 63: 164-175, 1 fig., pls. 1259-1261.
(EVANS, A. MURRAY and —), Dryopteris goldiana × intermedia — a natural Wood-fern cross of noteworthy morphology, 66:255-266, 2 figs., pls. 1302-1303.
New data on North American Oak Ferns, Gymnocarpium, 68: 121-138, 3 figs., pls. 1328-1329.
WAGNON, H. KEITH
Nomenclatural changes in Bromus, 52:209-215.
WALKER, JAMES W.
The evolution and classification of Flowering plants by Arthur Cronquist, [Review], 70:422-428.
Validation of Reedrollinsia Walker (Annonaceae), 73:461.
WALLIS, CHARLES S.
Erigenia, a genus new to Oklahoma, 66:311-312.
Wallpaper cleaner in the herbarium, 61:147.
WALTER's Flora Caroliniana, The binomials of Helenium in, 58:311.
WARD, DANIEL B.
The genus Anonymos and its nomenclatural survivors, 64: 87-92.
Southeastern limit of Chamaecyparis thyoides, 65:359-363.
Southeastern limit of Fagus grandifolia, 69:51-54.
WARE, STEWART
A new Talinum (Portulacaceae) from the Cedar Glades of middle Tennessee, 69:466-475, 2 figs.
Warea (Cruciferae), Nomenclatural and taxonomic corrections in, 66:18.
Washington, Contributions to the flora of, 72:496.
Washington, D. C. area, Notes on two adventive plants of the, 52:183.
WASSHAUSEN, DIETER C.
A synopsis of the genus Suessenguthia (Acanthaceae), 72:119-125, 2 figs.
Watercress in the New World, 64:32.
WATERFALL, UMALDY T.
Some results of a summer's botanizing in Oklahoma, 51:18-28.
A new species of Sarcostemma from Oklahoma, 51:58-59, 2 figs.
Some additions to the Oklahoma flora, 52:19-24, 35-41.
Some results of a third summer's botanizing in Oklahoma, 52: 165-175.
More additions to the Oklahoma flora, 53:130-133.
Further studies of the Oklahoma flora, 54:125-131.
Notes concerning Juncus coriaceus, 54:193.
The identity of Hedyotis rosea Raf., 55:201-203.
A new species of Carex (section Phyllostachyae) from Oklahoma, 56:21-23.
Studies in the composition and distribution of the Oklahoma flora — XXI., 56:157-162.
A new radiate Hymenopappus from Mexico, 59:96-97.
A taxonomic study of the genus Physalis in North America north of Mexico, 60:107-114, 128-142, 152-173.
Separotheca, a new genus (Commelinaceae) from Mexico, 61: 136-139.
A revision of Eucnide, 61:231-243.
Changes in status and new combinations for certain taxa in the Oklahoma flora, 62:319-321.

Physalis in Mexico, Central America and the West Indies, 69:82-120, 203-239, 319-329.
A new species of Physalis from the Galapagos Islands, 70:408-409.
Emendations in United States Physalis, 70:574-576.
Monarda stipitatoglandulosa, a new species from Oklahoma, 72:502-504.
New taxa, combinations and distribution records for the Oklahoma flora, 73:552-555.
New species of Cuscuta and Phlox from Oklahoma, 73:575-577.
[(1910-1971)], [Biographical sketch], 75:146-149.
Water-Horehound) in North America, Distributional history of Lycopus europaeus (European, 72:351.

WATSON, J. RAY, JR.
(— and ROGERS, KEN E.), Eriogonum harperi Goodman in Tennessee, 74:154.
Rhapidophyllum hystrix in Mississippi, 74:525.

WEATHERBY, CHARLES ALFRED
[Death of,], [Notice], 51:152.
—, botanist and helper of botanists (with portrait), 51:169-179.
[Bibliography of,] 51:179-191.

WEATHERBY, UNA F.
An old local herbarium of New Salem, Massachusetts, 54:80-82.

WEBBER, EDGAR E.
Observations on the epidermal structure and stomatal apparatus of some members of the Araceae, 62: 251-258, 7 figs.
A list of algae from selected areas in Massachusetts, 63: 275-281.
Nostoc parmelioides in Massachusetts, 64:358-360.
A rare blue-green alga from Massachusetts, 66:163-164, 1 fig.
Flagellates and Desmids new to Massachusetts, 69:55-58, 6 figs.
New England salt marsh Vaucheriae, 70:274-277, 6 figs.
Seasonal occurrence and ecology of salt marsh phanerogams at Ipswich, Massachusetts, 70: 442-450.
Observations on Microcoleus lyngbyaceus (Kütz.) Crouan from marine habitats in New England, 73:238-243.
(— and WILCE, R. T.), Benthic salt-marsh algae at Ipswich, Massachusetts, 73:262-291, 2 figs.
(— and WILCE, R. T.), The ecology of benthic salt-marsh algae at Ipswich, Massachusetts I. Zonation and distribution of algal species, 74:475-488, 1 fig.

WEBER, WILLIAM A.
Phippsia algida in the United States, 54:141-145.
A new intergeneric hybrid involving Oryzopsis and Stipa (Gramineae), 59:273-277, pl. 1230.
Rediscovery of the genus Neoparrya Mathias (Umbelliferae), 60:265-271.

WEBSTER, GRADY L.
(— and MILLER, KIM I.), The genus Reverchonia (Euphorbiaceae), 65:193-207, 6 figs.
(MILLER, KIM I. and —), A preliminary revision of Tragia (Euphorbiaceae) in the United States, 69:241-305, 25 figs., 10 maps, pl. 1356.

WEEDON, RONALD R.
(— and STEPHENS, H. A.), Cyperus fuscus in Nebraska and South Dakota, 71:433.
(MCGREGOR, RONALD L., MAGRATH, LAWRENCE K. and —), New and interesting plants from the Great Plains, 74:378-388.

WELLS, JAMES R.
(FISHER, T. RICHARD and —), Heteromorphic pollen grains in Polymnia, 64:336-340, pl. 1273.
A review of the varieties of Polymnia uvedalia, 71:204-211, 1 fig., pl. 1413.

WELLS, THEODORE W.
A new form of Myrica pensylvanica, 70:453.

WELSH, STANLEY L.
An undescribed species of Astragalus (Leguminosae) from Utah, 72:189-193, 4 figs.

West, Contemporary notes on Powell's expeditions in the, [Review], 63: 179.

West Indies, An additional species of the Lichen genus Buellia from the, 57:323.

West Indies, Physalis in Mexico, Central America and the, 69:82, 203, 319.
West Virginia, Some grasses new to, 51:106.
Western Hemisphere, Edgeworthia (Thymelaeaceae) new to the, 74: 436.
Western Hemisphere, The genus Coriaria (Coriariaceae) in the, 74:242.
Western Plains plants in northern Illinois, 64:354.
WESTING, ARTHUR H.
Needle number in Red Pine, 66: 27-31.
Wheatgrass, a new roadside species in Utah, Tall, 65:318.
Wheatgrasses, New names for Wyoming, 54:195.
WHEELER, LOUIS CUTTER
Typification of Euphorbia maculata, 62:134-141.
White Pine, An unusual station for Eastern, 51:393.
WHITE, W. LAWRENCE
Thallophytes and Bryophytes of the Canadian Eastern Arctic, [Review], 52:251-252.
Edible Mushrooms, [Review], 54: 120.
WICKS, JOHONET C.
Some morphological aids in distinguishing Nuphar microphyllum from similar aquatics, 75: 65-74, 4 figs.
WILBUR, ROBERT L.
An undescribed dwarf species of Amorpha from Georgia, 56: 261-265, 6 figs.
A revision of the North American genus Sabatia (Gentianaceae), 57:1-33, 43-71, 78-104, 16 maps.
A new name for the puberulent sessile-leaved Uvularia, 63:36-39.
(— and DAOUD, HAZIN S.), The genus Lechea (Cistaceae) in the southeastern United States, 63:103-118, 10 figs., 10 maps.
Nomenclatural notes on two southeastern Rhynchosias, 64: 60-62.
A revision of the North American genus Uvularia (Liliaceae), 65:158-188, 6 figs.
Notes on the genus Diamorpha (Crassulaceae), 66:87-92, 1 map.
(DAOUD, HAZIN S. and —), A revision of the North American species of Helianthemum (Cistaceae), 67:63-82, 201-216, 255-312, 17 maps, 1 fig.
Notes on Rafinesque's species of Lechea (Cistaceae) 68:192-208.
The identity of Psoralea multijuga Ell. (Leguminosae), 69: 48-50.
(— and PERRY, JAMES D.), Palynological notes on American species of Helianthemum (Cistaceae), 69:184-194, pls. 1353-1354.
The status of Hedyotis procumbens var. hirsuta (Rubiaceae), 70:306-311, 2 maps.
Infraspecific classification in the Carolina flora, 72:51-65, 1 map.
WILCE, R. T.
(BLUM, JOHN L. and —), Description, distribution and ecology of three species of Vaucheria previously unknown from North America, 60:283-288, 17 figs.
(— and BLUM, JOHN L.), The type of Vaucheria compacta var. koksoakensis, 60:329.
(WEBBER, EDGAR E. and —), Benthic salt-marsh algae at Ipswich, Massachusetts, 73: 262-291, 2 figs.
(WEBBER, EDGAR E. and —), The ecology of benthic salt-marsh algae at Ipswich, Massachusetts I. Zonation and distribution of algal species, 74:475-488, 1 fig.
Wildflower guide, A new, [Review], 71:107.
Willow-Herb) in North America, Distributional history of Epilobium hirsutum (Great Hairy, 72:164.
Willow hybrids: Salix hebecarpa Fernald and S. simulans Fernald, 52:8.
WILSON, G. B.
(MÜHLING, GABRIELE N. and —), The chromosomes of Podophyllum peltatum, 63:267-275, pls. 1262-1264.
WILSON, JAMES S.
(VOSS, EDWARD G. and —), Clarence R. Hanes, 58:272-273.
WILSON, KENNETH A.
Typification of the genus Forestiera (Oleaceae), 60:327-328.
Wind and the winter-exposed plant, 74:528.
Winter-exposed plant, Wind and the, 74:528.

WINTERRIGER, GLEN S.
Salicornia europaea in Illinois, 51:11-12.
Flowering Arundinaria gigantea in Illinois, 54:82-83.
Additional notes on Arundinaria gigantea, 55:60.
Breweria pickeringii in Illinois, 56:274-275.
Notes on Collinsia violacea, 58: 308-309.
Arctium in Illinois, 59:44.
Plant notes from Illinois, 60:41-43.
Notes on Cyperaceae from Illinois, 61:290-292.
Eragrostis curvula from Illinois, 63:148.
Zizaniopsis miliacea from Illinois, 64:283-284.
A recent Illinois collection of Sanguisorba canadensis L., 65: 80-81.
Notes on Papaver dubium and Camassia angusta, 66:16-17.
Aquatic vascular plants new for Illinois, 68:221-222.

WINTERS, HAROLD F.
(— and SCHWEINFURTH, CHARLES), Some additions to the Orchid flora of Puerto Rico, 58:290-292.

Wisconsin, Discovery of the Massachusetts Fern in, 67:399.

Wisconsin, Elymus arenarius and Diarrhena americana in, 62:199.

Wisconsin, Records on the flora of, 73:60; 74:156.

Wisconsin, The intergradation of Senecio plattensis and Senecio pauperculus in, 65:65.

Wisconsin, Tiarella cordifolia in, 58: 309.

WISE, DAVID A.
The flora of Isle au Haut, Maine, 72:505-532.

Witchweed in the Southeastern United States, Identity of, 68:167.

WOELKERLING, WILLIAM J.
Studies on the Audouinella microscopica (Naeg.) Woelk. complex (Rhodophyta), 74:85-96, 14 figs.
Some algal invaders of the northwestern fringes of the Sargasso Sea, 74:295-298.
The Audouinella complex (Rhodophyta) in the western Sargasso Sea, 75:78-101, 8 figs.
The morphology and systematics of the Audouinella complex (Acrochaetiaceae, Rhodophyta) in northeastern United States, 75:529-621, 83 figs.

WOLFE, L. P., JR.
(— and HODGDON, ALBION R.), A new form of Rubus alleghe-niensis, 53:30-32.
Wolffia columbiana in Methuen, Massachusetts, 53:272.
Wolffia in New Hampshire, 70:491.
Wolffia papulifera in Texas, 54:306.

WOMERSLEY, J. S.
Paraformaldehyde as a source of formaldehyde for use in botanical collecting, 59:299-303.

WOOD, CARROLL E., JR.
The American barbistyled species of Tephrosia (Leguminosae), 51:193-231, 233-302, 305-364, 369-384, pls. 1152-1155.
Evidence for the hybrid origin of Drosera anglica, 57:107-130, 63 figs.
(— and GODFREY, R. K.), Pinguicula (Lentibulariaceae) in the southeastern United States, 59:217-230, 31 figs.

WOOD, R. D.
Monographic studies on the Characeae. I. Emendation of Nitella morongii, 51:13-18, pl. 1119.
(KOETZNER, KENNETH and —), On the marine algae of Kent Island, Bay of Fundy, 74:264-271.
Wood-fern cross of noteworthy morphology, Dryopteris goldiana × intermedia — a natural, 66:255.
Wood-Ferns (Dryopteris) in eastern North America, The spores of four species of Spinulose, 70:340.

WOODS, FRANK W.
The genus Ilex in Tennessee, 53: 229-240, 1 fig.
Ilex glabra forma leucocarpa; a white-fruited holly, 58:25-26, pl. 1222.

WOOTEN, JEAN W.
(— and CLEWELL, ANDRÉ F.), Fleischmannia and Conoclinium (Compositae, Eupatorieae) in eastern North America, 73: 566-574, 4 figs.

WRIGHT, J. C.
(BOOTH, W. E. and —), Montana plant distribution records, 55: 236-238.

Missouri Botanical Garden Library
3 1753 00341 3967

WUNDERLIN, R. P.
A white flowered form of Bauhinia coulteri from Tamaulipas, Mexico, 70:286-287.
Solidago gymnospermoides in Illinois, 70:287-288.
Wyoming, Draba on Clay Butte, 55: 229.
Wyoming Wheatgrasses, New names for, 54:195.

Xanthocephalum (Compositae), Synopsis of the genus, 63:151.
Xanthocephalum (Compositae), The status of the genera Amphipappus, Amphiachyris, Greenella, Gutierrezia, Gymnosperma and, 62:43.
Xanthocephalum (Compositae), The typification of, 67:182.
XAVIER, K. S.
(— and ROGERS, C. MARVIN), Pollen morphology as a taxonomic tool in Linum, 65:137-145, 8 figs.
Ximenia (Olacaceae), Parasitism in, 71:439.
Xyris in Florida, Omissions in key to, 63:205.
Xyris in Florida, The genus, 62:295.

YATES, IDA E.
(— and DUNCAN, WILBUR H.), Comparative studies of Smilax, section Smilax, of the southeastern United States, 72:289-312, 18 figs.
Yellow Lady's Slipper Orchid, Cypripedium calceolus L. subsp. parviflorum (Salisb.) Hult., from Alaska, New record for the, 75: 491.
Yonkers wool mill plant records, 58: 43.
YOUNG, ALVIN
(BEETLE, ALAN A. and —), A third subspecies in the Artemisia tridentata complex, 67: 405-406.
YOUNG JR's Flora of Maine, Further light on AARON, 55:293.
YOUNG, STEVEN B.
Additions to the flora of Saint Lawrence Island, Alaska, 71: 502-509.
On the taxonomy and distribution of Vaccinium uliginosum, 72: 439-459, 6 figs.
Juncus slwookoörum, a new species from Arctic Alaska, 72: 486-488, 1 fig.
(— and SCHOFIELD, EILEEN K.), Palynological evidence for the late glacial occurrence of Pringlea and Lyallia on Kerguelen Islands, 75:239-247, 4 figs.
YOUNGBERG, ALV DAN
Salix starkeana in North America, 72:548-550.

ZAVITZ, C. HAROLD
(— and GAISER, LULU O.), Notes on Triphora trianthophora in Ontario, 58:31-35.
Zephyranthes from southern Texas, A new, 63:214.
ZIMMERMANN, MARTIN H.
(LAMB, I. MACKENZIE and —), Marine vegetation of Cape Ann, Essex County, Massachusetts, 66:217-254, 7 figs., pls. 1298-1301.
Zinnia and Sanvitalia, New chromosome numbers in, 68:215.
Zizania aquatica L., Note on the varieties of, 52:34.
Zizaniopsis miliacea from Illinois, 64: 283.
Zoochlorella conductrix occurring in New Brunswick symbiotically with Ophrydium, 51:4.
Zoology on botanical nomenclature, Sidelights from, 52:156.
ZUBRIN, W. J. L.
(COLT, L. C. JR., HELLQUIST, C. BARRE and —), An interesting association of rare aquatic plants from New Hampshire, 73:296-299.
(Zygophyllaceae), Interactions between Apis mellifera (Hymenoptera: Apidae) and Tribulus cistoides, 74:117.